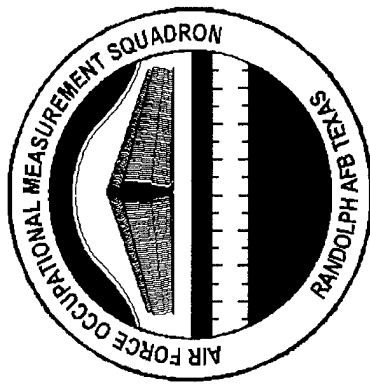20030905 132

UNITED STATES AIR FORCE

TRAINING

EXTRACT

AFSC 3C1X1 - ANG/AFRC

RADIO COMMUNICATIONS SYSTEMS

ANG/AFRC

OSSN 2521

April 2003

OCCUPATIONAL ANALYSIS PROGRAM
AIR FORCE OCCUPATIONAL MEASUREMENT SQUADRON
AIR EDUCATION and TRAINING COMMAND
1550 5TH STREET EAST
RANDOLPH AFB, TEXAS 78150-4449

CODAP Study Number: 2521

Study Title: Radio Communications Systems

AFSC(s): 3C1X1 - ANG/AFRC

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Job Inventory Date: June 2002

OSR Date: April 2003

Training Extract Date: April 2003

THE TRAINING EXTRACT

The enclosed Training Extract has been compiled to assist you in making training decisions. It is comprised of a series of computer printouts which show data collected from your specialty. By learning to understand this document and how it applies to training programs, you will find it to be a valuable source of information.

READING THE TRAINING EXTRACT

TABLE OF CONTENTS: The first page of the Training Extract lists a Table of Contents. The Table of Contents reports five things:

1. Report Number - shows the number and sequence of computer products in the Training Extract.

2. Element - shows the report ID of each computer product in the Training Extract. These numbers are of use only to OMSQ personnel.

3. Program - shows the types of computer products included in the Training Extract. Usually there will be three types listed: (1) PRTMOD, (2) VARSUM, and (3) PRTFAC. Each type of printout will be discussed in more detail below.

4. Report Title - describes the general contents of each computer product included in the Training Extract.

5. Page Number - shows the page on which the respective products begin. These numbers are located at the bottom center of the page.

TYPES OF COMPUTER PRODUCTS:

PRTMOD: This computer product can display occupational survey data in a variety of ways. Primary displays included in most Training Extracts are:

(1) in job inventory order (by duty)
(2) in STS order
(3) in POI order

The first page of each PRTMOD contains information which is useful primarily to OMSQ Analysts. Of primary interest to the user is the "Description of Reported Task Factors" section at the bottom of the page. This section lists the full titles and the number of members in each data group represented across the various columns of the printout. The actual data display begins on page 2 of the individual printout. This page begins with an introductory paragraph which describes the type of data contained in the product. The actual data follows the introductory paragraph. For information on groups or task factors displayed in the column headings, refer to the listing on page 1. When a column heading describes a group of incumbents, the numbers listed below represent the percent of group members who are performing the task listed at the left-hand side of the page . Where the column heading describes a task factor such as Training Emphasis, Task Difficulty, or Automated Training Indicator (ATI), the numbers below represent the value of that task factor for the given task.

Training emphasis refers to the importance of providing training of the given task in some type of formal structured training program, such as resident technical training schools, field training, or formal OJT. It only applies to recommended training for first-enlistment personnel (those with 1-48 months TAFMS) or, in the case of lateral career ladders, first-assignment or first-job personnel (those with 1-48 months TICF). It does not apply when examining advanced courses for a career ladder. Tasks which senior career ladder personnel believe should be trained for first-enlistment personnel have high training emphasis values, while those tasks which they believe do not require formal training have low training emphasis values.

Task difficulty refers to the length of time required for the average job incumbent to learn to perform a task. Task difficulty ratings are always standardized so that tasks having average task difficulty have a mean of 5.0. Tasks with values above 5.0 are considered more difficult to learn than those with values below 5.0.

VARSUM: While the PRTMOD product provides data on the various tasks being performed, the VARSUM product presents information concerning the responses of career ladder incumbents to the various background questions in the job inventory. Page 1 of the VARSUM lists the groups which are displayed on the product, showing a group ID number, group title, and number of people in the group. These group identities define the groups which comprise the column headings on each page of the VARSUM product. Along the left-hand side of each page, you will see a series of variable numbers, followed by their respective descriptions (i.e. V0000 Equip Used - Automatic Film Processors). Each variable represents a response to a background question. For background questions which allow multiple responses, each response is given below the variable number. In most cases, only the "yes" responses will be displayed. The numbers to the right of each response represent the percentage of the given group (as identified on the first page of the product) who gave that particular response to the question.

PRTFAC: This product is very similar to the PRTMOD in that it displays percentages of people performing tasks, as well as Training Emphasis, Task Difficulty, and Automated Training Indicator (ATI) data. The PRTFAC product however, is used to display task data in descending order of some task factor, such as training emphasis. The two primary PRTFAC products included in the Training Extract display inventory tasks in descending order of Training Emphasis value, and inventory tasks in descending order of the computed Automated Training Indicator (ATI) value.

To help in interpreting Training Emphasis ratings shown on several of the data products, standardized abbreviations are used. These abbreviations are as follows:

MEAN = Average Training Emphasis Rating
1 SD = 1 Standard Deviation above Mean Training Emphasis Rating
2 SD = 2 Standard Deviations above Mean Training Emphasis Rating

ABOVE AVG = "ABOVE AVERAGE" in Training Emphasis; Tasks that fall between the Mean and 1 SD
HIGH = "HIGH" in Training Emphasis; Tasks that fall between 1 SD and 2 SD
VERY HIGH = "VERY HIGH" in Training Emphasis; Tasks that fall above 2 SD

This document has been designed and prepared as a final summary document containing data printouts which were used in analyzing the occupational survey data collected on this AFSC. We hope this brief summary assists you in utilizing the data presented in this Training Extract. If you need additional information that is not contained in this Extract, please feel free to contact one of our analysts at DSN 487-6811 for assistance.

T A B L E   O F   C O N T E N T S

Report Option Table for Modules

Option	Status
Primary Sort	Inventory Sequence
Secondary Sort	Not Used
Print Suppress	Not Used

Report Option Table for Tasks

Option	Status
Primary Sort	Inventory Sequence
Secondary Sort	Not Used
Print Suppress	Not Used

Description of Reported Module Factors

Col	Factor	Source vector	Title	Number Members	Based on All Tasks Within Range				Valid
					Mean	S.D.	Max	Min	
1	TITLE		Module Statement						

Description of Reported Task Factors

			Task Statement						
1	TITLE								
2	F0012	GP0012/PMP	All Air Guard Airmen with DAFSC 3C1X1	69	21.26	14.33	84.06	.00	370
3	F0013	GP0013/PMP	All Air Guard Airmen with DAFSC 3C151	28	16.25	14.51	89.29	.00	370
4	F0014	GP0014/PMP	All Air Guard Airmen with DAFSC 3C171	35	22.73	17.64	85.71	.00	370
5	F0015	GP0015/PMP	All Air Guard Airmen with DAFSC 3C191	6	36.04	33.34	100.00	.00	370
6	F0016	GP0016/PMP	All Air Reserve Airmen with DAFSC 3C1X1	87	28.11	18.72	81.61	.00	370
7	F0017	GP0017/PMP	All Air Reserve Airmen with DAFSC 3C151	35	22.06	19.21	77.14	.00	370
8	F0018	GP0018/PMP	All Air Reserve Airmen with DAFSC 3C171	47	33.33	20.04	82.98	.00	370
9	F0019	GP0019/PMP	All Air Reserve Airmen with DAFSC 3C191	5	21.35	22.67	100.00	.00	370

AFSC 3C1X1 tasks are presented in USAF Job Inventory order under Duty headings.

The percent of ANG/AFRC DAFSC group members performing each task is presented to the right of each task.

Note that tasks are listed in alphabetical order under each Duty heading so that tasks may be easily located and cross-referenced. Differences between groups may be highlighted where there are large differences in percent members performing each task across the various groups.

D T Tsk Y Nbr	Task Title	ANG TOT	ANG 5	ANG 7	ANG 9	AFRC TOT	AFRC 5	AFRC 7	AFRC 9
A	SETTING UP RADIO EQUIPMENT								
A0001	Connect or disconnect antenna couplers	57	79	49	0	72	69	74	80
A0002	Connect or disconnect antennas to radio equipment	65	89	54	17	75	77	74	60
A0003	Connect or disconnect commercial power supplies	39	50	34	17	46	31	53	80
A0004	Connect or disconnect computer equipment	54	64	46	50	72	69	72	100
A0005	Connect or disconnect cryptographic equipment	68	79	60	67	70	69	68	100
A0006	Cut antenna lengths	17	21	17	0	41	37	47	20
A0007	Install grounding systems	33	36	34	17	60	66	57	40
A0008	Key or zeroize secure cryptographic systems	84	79	86	100	82	77	83	100
A0009	Preset dual-tone multifrequency (DTMF) controlled receivers or transmitters	10	18	6	0	17	17	19	0
A0010	Rotate antennas using radio dial codes or azimuth control boxes	14	29	6	0	23	23	26	0
A0011	Select antennas using antenna matrix systems or patch panels	7	11	3	17	13	9	17	0
A0012	Select back-up receivers or transmitters	29	43	20	17	38	31	47	0
A0013	Select frequency-of-optimum transmissions (FOTs)	22	32	17	0	43	43	45	20
A0014	Select transmit power	33	43	31	0	41	37	47	20
A0015	Set time generators on recorders	6	11	0	17	1	0	2	0
A0016	Set up antenna masts	61	82	51	17	68	69	70	40
A0017	Set up controlled safety or security areas	35	36	29	67	60	63	60	40
A0018	Set up facsimile transmission equipment	20	11	23	50	38	37	40	20
A0019	Set up high frequency (HF), very high frequency (VHF), ultrahigh frequency (UHF), or extremely high frequency (EHF) mobile satellite antennas	49	61	46	17	64	69	66	20
A0020	Set up land mobile radio (LMR) networks	19	25	17	0	45	49	47	0
A0021	Set up LMR repeater networks	10	21	3	0	33	31	38	0
A0022	Set up mobile international maritime satellite (INMARSAT) equipment	12	25	3	0	30	31	30	20
A0023	Set up mobile HF, VHF, UHF, or EHF satellite transceivers	35	43	31	17	57	60	60	20
A0024	Set up patch panels	9	18	3	0	6	3	9	0
A0025	Set up phone patch equipment	17	18	20	0	16	6	26	0

D T Tsk Y Nbr	Task Title	ANG TOT	ANG 5	ANG 7	ANG 9	AFRC TOT	AFRC 5	AFRC 7	AFRC 9
A0026	Set up radio equipment	52	61	51	17	74	77	74	40
A0027	Set up or operate auxiliary generators, such as fixed, mobile, or transportable	22	21	23	17	51	46	55	40
A0028	Site radio antennas or equipment	45	57	43	0	61	60	64	40
A0029	Tune receivers, transceivers, or transmitters	46	54	49	0	52	49	57	20
A0030	Verify keying of cryptographic equipment	68	46	83	83	71	69	74	60
A0031	Verify radio nets for tactical or nontactical radios	26	25	29	17	52	54	55	0
A0032	Verify or load equipment presets	36	46	29	33	55	49	66	0

B CONFIGURING RADIO EQUIPMENT

D T Tsk Y Nbr	Task Title	ANG TOT	ANG 5	ANG 7	ANG 9	AFRC TOT	AFRC 5	AFRC 7	AFRC 9
B0033	Adjust antenna tuning units	25	36	20	0	33	29	40	0
B0034	Change receiver, transceiver, or transmitter frequencies manually or by remote control	32	36	34	0	55	51	60	40
B0035	Change recorder-receiver pairings	1	4	0	0	0	0	0	0
B0036	Configure ancillary equipment for operations	14	14	17	0	33	29	40	0
B0037	Configure computers for data operations	28	39	17	33	41	43	40	40
B0038	Configure consoles for back-to-back operations	14	14	14	17	5	6	4	0
B0039	Configure consoles for clear voice operations	16	18	14	17	16	17	17	0
B0040	Configure consoles for switchboard dial code operations	3	7	0	0	1	3	0	0
B0041	Configure consoles or terminals for Milstar operations	3	4	3	0	2	6	0	0
B0042	Configure consoles or terminals for phone patch operations	9	14	6	0	9	6	13	0
B0043	Configure equipment for duplex or simplex operations	12	7	17	0	18	9	28	0
B0044	Configure facsimile equipment	13	7	14	33	32	31	34	20
B0045	Configure Hammer Rapid Initial Communications Kit (RICK) equipment for voice or data communications	6	4	9	0	1	3	0	0
B0046	Configure line printers	12	7	11	33	32	29	38	0
B0047	Configure radios for demand assigned multiple access (DAMA) operations	20	18	26	0	40	37	45	20
B0048	Configure terminals for alternate or net control station (NCS) operations	12	11	14	0	24	29	23	0
B0049	Configure terminals for cross-banding	7	11	6	0	5	9	2	0
B0050	Configure terminals for multiple-hop operations	10	18	3	17	16	17	17	0
B0051	Configure terminals for slave-to-master operations	7	14	3	0	7	9	6	0
B0052	Configure transceivers for back-to-back operations	9	7	11	0	5	9	2	0
B0053	Configure transceivers for clear or secure voice operations	30	32	26	50	43	37	51	0
B0054	Configure transceivers for Have Quick operations	14	14	9	50	16	17	17	0
B0055	Configure transceivers for phone patch operations	13	7	20	0	16	6	26	0
B0056	Configure transceivers for secure radio data transfer	26	29	20	50	41	40	47	0
B0057	Configure transceivers for switchboard dial code operations	1	4	0	0	1	3	0	0
B0058	Configure transportable switchboard or telephone equipment for phone patch, secure voice data, or switchboard dial code operations	9	11	9	0	10	11	11	0
B0059	Reconfigure antennas	42	50	43	0	52	51	53	40

D T Tsk Y Nbr	Task Title	ANG TOT	ANG 5	ANG 7	ANG 9	AFRC TOT	AFRC 5	AFRC 7	AFRC 9
C	MAINTAINING RADIO EQUIPMENT								
C0060	Change computer diskettes or tapes	38	18	51	50	62	60	64	60
C0061	Change paper in high-speed printers	36	25	43	50	46	49	43	60
C0062	Change or store magnetic media or recording tapes	13	7	14	33	16	11	19	20
C0063	Clean facsimile equipment	14	11	11	50	26	23	28	40
C0064	Clean printers	26	25	17	83	40	31	47	40
C0065	Clean radio equipment filters	20	21	23	0	43	29	53	40
C0066	Clean recorder-reproducer heads	3	4	3	0	6	6	6	40
C0067	Degauss recording tapes	3	4	0	17	7	6	6	20
C0068	Inspect communications equipment cables or cable connections	38	39	37	33	57	49	66	40
C0069	Operate or maintain recording devices	13	21	6	17	13	3	21	0
C0070	Perform operational checks of ancillary equipment	16	11	20	17	36	29	45	0
C0071	Perform operational checks of radio systems	42	54	37	17	61	66	60	40
C0072	Repair antennas, other than tactical antennas	16	21	11	17	21	17	26	0
C0073	Repair tactical antennas	20	29	17	0	31	29	34	20
C0074	Replace radio system components, such as bulbs or fuses	19	14	23	17	46	34	55	40
D	PERFORMING RADIO OPERATIONAL PROCEDURES								
D0075	Authenticate message traffic using transmission authentication systems	39	29	43	67	64	71	64	20
D0076	Authenticate stations using challenge-and-reply systems	42	36	46	50	62	66	62	40
D0077	Broadcast radio transmissions	41	54	37	0	53	57	51	40
D0078	Check stations into or out of net	33	29	40	17	57	57	60	40
D0079	Conduct command, control, communications countermeasures (C3CM) using operating procedures	23	14	31	17	46	43	51	20
D0080	Conduct data or voice transmissions using universal coordinated time (UCT)	33	29	40	17	43	37	47	40
D0081	Conduct data transmission using phonetic alphabet	46	54	43	33	54	54	55	40
D0082	Conduct data transmission using prosigns	30	29	34	17	55	60	53	40
D0083	Conduct data transmission using prowords	30	29	34	17	54	57	53	40
D0084	Conduct net roll calls or polls	22	14	29	17	41	34	47	40
D0085	Conduct phone patches automatically or manually	19	11	26	17	16	6	26	0
D0086	Coordinate aircraft positions with direction-finding (DF) facilities	0	0	0	0	8	9	9	0
D0087	Coordinate spectrum interferences with DF facilities	6	4	6	17	7	6	9	0
D0088	Determine operating frequencies	28	21	31	33	49	46	53	40
D0089	Determine types of spectrum interferences	25	4	37	50	25	17	34	0
D0090	Direct users to tune to your count	12	4	20	0	25	11	36	20
D0091	Encode or decode messages automatically or manually	35	21	46	33	57	54	62	40
D0092	Identify incoming calls using call-sign lists	33	39	31	17	55	51	62	20

D T Y Tsk Nbr	Task Title	ANG TOT	ANG 5	ANG 7	ANG 9	AFRC TOT	AFRC 5	AFRC 7	AFRC 9
D0093	Identify missent or misrouted messages	14	7	23	0	28	26	32	0
D0094	Implement spectrum interference countermeasures	12	7	14	17	24	17	32	0
D0095	Impose or lift radio silence	22	18	29	0	37	31	43	20
D0096	Notify stations of frequency changes	30	32	34	0	48	40	55	40
D0097	Perform conference call procedures	12	14	9	17	16	11	21	0
D0098	Perform contingency alternate routing procedures	10	7	14	0	15	9	21	0
D0099	Perform hand printing techniques	29	18	37	33	44	34	51	40
D0100	Perform microphone techniques in radio communications	33	29	43	0	46	40	51	40
D0101	Perform radio checks	48	50	49	33	67	66	70	40
D0102	Perform signal testing in radio communications	38	54	31	0	47	37	55	40
D0103	Perform three-way call procedures	14	11	20	0	13	6	19	0
D0104	Perform time hacks	36	29	46	17	55	46	64	40
D0105	Prepare messages using Automatic Digital Network (AUTODIN) or Defense Message Service (DMS) format	10	4	11	33	14	11	17	0
D0106	Prepare messages using Emergency Action Message (EAM) format	19	21	17	17	24	11	34	20
D0107	Prepare messages using Foxtrot format	12	18	9	0	13	9	17	0
D0108	Prevent false distress signals	13	7	20	0	24	17	32	0
D0109	Prevent transmission of obscene or indecent language	29	21	40	0	51	49	53	40
D0110	Receive and relay aircraft emergencies	14	25	6	17	20	17	23	0
D0111	Receive and relay departure reports	12	18	6	17	23	23	26	0
D0112	Receive and relay execution checklist messages	12	18	6	17	16	11	21	0
D0113	Receive and relay position reports	12	18	6	17	22	17	28	0
D0114	Receive, transmit, or relay broadcasts	28	36	23	17	41	46	43	0
D0115	Receive, transmit, or relay messages	36	46	31	17	54	51	62	0
D0116	Record and report spectrum interference incidents	26	14	34	33	24	11	36	0
D0117	Reset EAM alarms	7	14	3	0	9	6	13	0

E	TROUBLESHOOTING RADIO EQUIPMENT								
E0118	Identify antenna system malfunctions	41	57	34	0	60	54	66	40
E0119	Identify computer equipment malfunctions	38	32	43	33	45	40	49	40
E0120	Identify console malfunctions	12	18	6	17	14	17	13	0
E0121	Identify cryptographic equipment malfunctions	45	36	49	67	55	57	57	20
E0122	Identify digital electronic switches (DES) malfunctions	6	11	3	0	7	0	13	0
E0123	Identify DMS malfunctions	7	11	3	17	9	6	13	0
E0124	Identify facsimile equipment malfunctions	16	11	17	33	30	31	30	20
E0125	Identify fixed, mobile, or transportable generator malfunctions	13	14	14	0	39	34	43	40
E0126	Identify Hammer RICK equipment malfunctions	6	4	9	0	1	0	2	0
E0127	Identify line printer malfunctions	16	14	14	33	33	29	36	40
E0128	Identify LMR malfunctions	23	25	20	33	48	40	57	20
E0129	Identify LMR repeater malfunctions	9	7	11	0	34	34	38	0
E0130	Identify Milstar false alarms or advisories	6	11	3	0	1	3	0	0
E0131	Identify receiver, transceiver, or transmitter malfunctions	20	14	29	0	45	43	47	40
E0132	Identify recording equipment malfunctions	10	18	6	0	7	0	13	0

D T Tsk Y Nbr	Task Title	ANG TOT	ANG 5	ANG 7	ANG 9	AFRC TOT	AFRC 5	AFRC 7	AFRC 9
E0133	Identify telephone malfunctions	17	11	23	17	37	26	47	20
E0134	Identify terminal malfunctions	13	18	11	0	14	9	19	0
F	**PERFORMING COMBAT CREW COMMUNICATIONS ACTIVITIES**								
F0135	Assemble, issue, retrieve, or break down daily training communication kits	39	14	49	100	43	46	40	40
F0136	Assemble, issue, retrieve, or break down exercise or contingency conventional communication kits	35	11	43	100	40	37	40	60
F0137	Assemble, issue, retrieve, or break down single integrated operations plan (SIOP) communication kits	35	7	46	100	26	23	30	20
F0138	Assemble, issue, retrieve, or update flight information publication (FLIP) bags	23	7	29	67	29	26	32	20
F0139	Brief aircrews on communications procedures	35	14	40	100	29	26	32	20
F0140	Conduct aircrew or missile crew premission briefings or postmission debriefings	22	4	26	83	18	11	23	20
F0141	Conduct exercise or contingency briefings or debriefings	26	7	29	100	31	20	36	60
F0142	Conduct SIOP or safe passage communications training	30	7	37	100	25	17	32	20
F0143	Construct or maintain combat mission folders (CMFs)	26	7	31	83	22	17	26	20
F0144	Create exercise or contingency communications FLIMSYs	29	7	34	100	22	23	21	20
F0145	Issue, load, or retrieve time standard modules (TSMs) to aircrews	10	11	6	33	7	6	6	20
F0146	Issue, load, retrieve or zeroize transfer modules	20	11	20	67	24	23	26	20
F0147	Issue, load, or retrieve cryptographic equipment	48	14	69	83	45	43	45	60
F0148	Issue or retrieve Identification Friend or Foe (IFF) or Special Identification Feature (SIF) codes	30	4	43	83	24	23	26	20
F0149	Operate transfer module service sets (TMSS)	4	4	3	17	7	6	6	20
F0150	Review air tasking documents	23	4	26	100	20	14	23	20
F0151	Review flying schedules	29	4	37	100	28	23	32	20
G	**PERFORMING SATELLITE COMMUNICATIONS (SATCOM) ACTIVITIES**								
G0152	Configure consoles or terminals for secure or nonsecure voice or data communications	26	21	26	50	29	26	34	0
G0153	Configure modems for narrowband operations	10	11	11	0	14	14	15	0
G0154	Configure Satellite Communications (SATCOM) remote subsystems	14	18	14	0	18	14	23	0
G0155	Configure SATCOM systems for random operations	16	25	11	0	22	14	30	0
G0156	Configure SATCOM systems for single-channel transponder systems (SCTSs)	16	21	14	0	13	11	15	0
G0157	Configure SATCOM systems for time division multiplex (TDM) Mode I operations	7	11	6	0	8	6	11	0
G0158	Configure SATCOM systems for TDM Mode II operations	4	7	3	0	7	6	9	0
G0159	Establish communications links with command centers	14	21	6	33	32	37	30	20

D T Tsk Y Nbr	Task Title	ANG TOT	ANG 5	ANG 7	ANG 9	AFRC TOT	AFRC 5	AFRC 7	AFRC 9
G0160	Establish communications links with master control centers	12	14	11	0	24	26	26	0
G0161	Establish communications links with mission monitors	9	11	9	0	20	26	17	0
G0162	Establish communications links with on-station aircraft	3	4	3	0	16	20	15	0
G0163	Establish communications links with primary control centers	7	11	6	0	26	29	28	0
G0164	Initiate or terminate satellite commands	4	7	3	0	24	23	28	0
G0165	Load SATCOM command post synchronizers	7	14	0	17	8	6	11	0
G0166	Load terminal software	7	7	6	17	16	17	17	0
G0167	Operate status display units (SDUs)	3	4	3	0	3	0	6	0
G0168	Perform antenna position control functions	13	14	14	0	23	20	28	0
G0169	Perform satellite look-angle procedures	13	18	11	0	18	14	23	0
G0170	Perform selective message routing procedures	3	4	3	0	15	9	21	0
G0171	Perform van set up procedures	7	7	9	0	1	0	2	0
G0172	Queue messages	10	7	14	0	21	23	21	0
G0173	Reconfigure SATCOM systems for operations in degraded conditions	7	11	6	0	14	6	21	0
G0174	Reset terminal software	6	11	3	0	10	9	13	0
G0175	Set up or join Air Force Satellite Communication (AFSATCOM) nets	17	25	14	0	24	23	28	0
G0176	Store SATCOM messages	12	14	11	0	24	20	30	0
G0177	Transfer computer data using secure voice communications networks	16	25	11	0	32	29	38	0
G0178	Transmit SATCOM messages	23	29	23	0	39	37	45	0
H	PERFORMING MILSTAR SATELLITE COMMUNICATIONS ACTIVITIES								
H0179	Configure Milstar terminals as antenna, communication, or net control	6	11	3	0	6	9	4	0
H0180	Configure Milstar terminals as beam management terminals	6	11	3	0	1	3	0	0
H0181	Configure Milstar terminals for DAMA operations	6	11	3	0	3	9	0	0
H0182	Establish or modify EHF acquisitions or log on parameters	6	11	3	0	0	0	0	0
H0183	Initiate bit procedures or tests	12	14	11	0	13	6	17	20
H0184	Log on or off Milstar networks or satellites	6	7	6	0	3	6	2	0
H0185	Perform anomaly resolution procedures	1	4	0	0	0	0	0	0
H0186	Perform breaking-the-chain (BTC) keying procedures	4	7	3	0	1	0	2	0
H0187	Perform cold start procedures	13	11	17	0	7	3	11	0
H0188	Perform DAMA procedures	25	29	26	0	24	23	28	0
H0189	Perform EHF network procedures	7	11	6	0	0	0	0	0
H0190	Perform Milstar emergency shutdown or reset procedures	4	7	3	0	0	0	0	0
H0191	Perform ephemeris update procedures	7	11	6	0	0	0	0	0
H0192	Perform manual key loading procedures	22	14	26	33	25	23	30	0
H0193	Perform message processing procedures	14	14	17	0	17	11	23	0
H0194	Perform over-the-air (OTAR) rekeying procedures	20	18	26	0	16	11	21	0
H0195	Perform point-to-point (PTP) call procedures	17	18	20	0	14	11	17	0

D T Tsk Y Nbr	Task Title	ANG TOT	ANG 5	ANG 7	ANG 9	AFRC TOT	AFRC 5	AFRC 7	AFRC 9
H0196	Perform Position Lightweight Global Positioning System Receiver (PLGR) procedures	9	14	6	0	3	3	4	0
H0197	Perform satellite mission control systems (SMCS) key loading procedures	4	7	3	0	6	3	9	0
H0198	Perform single-channel transponder (SCT) procedures	7	14	3	0	0	0	0	0
H0199	Perform spot beam procedures	6	7	6	0	1	0	2	0
H0200	Perform terminal control procedures	10	14	9	0	1	3	0	0
H0201	Perform terminal initialization procedures	10	14	9	0	0	0	0	0
H0202	Perform Time Distribution Subsystem(TDS) or Time Distribution Subsystem Preprocessor(TDSPP) procedures	7	11	6	0	1	0	2	0
H0203	Prepare images using communication planning tools	9	11	9	0	2	3	2	0
H0204	Set up baseband equipment	7	7	9	0	5	0	9	0
H0205	Set up Communications Security (COMSEC) equipment	43	36	51	33	48	40	55	40
H0206	Set up or tear down Milstar networks	7	11	6	0	2	6	0	0
H0207	Set up or tear down Milstar PTP calls	6	7	6	0	1	3	0	0
I	PERFORMING GENERAL ADMINISTRATIVE AND TECHNICAL ORDER (TO) SYSTEM ACTIVITIES								
I0208	Brief personnel on Non-secure Internet Protocol Routing Network (NIPRNET) or Secure Internet Protocol Routing Network (SIPRNET) usage	17	0	26	50	18	9	28	0
I0209	Compile data for records, reports, logs, or trend analyses	25	14	29	50	28	14	40	0
I0210	Complete accident or incident reports	23	14	23	67	38	34	43	20
I0211	Coordinate frequency use with requestors or spectrum managers	19	11	23	33	25	20	30	20
I0212	Destroy classified or COMSEC materials or documents	62	29	83	100	80	77	83	80
I0213	Establish or maintain accountability records for classified or COMSEC materials or documents	64	36	80	100	71	63	77	80
I0214	Extract call-signs	43	25	49	100	44	23	60	40
I0215	Identify and report suspected security compromises	57	29	71	100	64	54	72	60
I0216	Initiate classified reports, messages, or documents	41	11	54	100	44	29	55	40
I0217	Initiate requests for temporary duty (TDY) orders	23	11	26	67	39	31	45	40
I0218	Initiate or maintain standby rosters or workcenter pyramid recall rosters	25	7	29	83	24	9	36	20
I0219	Maintain administrative files	46	21	57	100	46	23	66	20
I0220	Maintain data logs	49	36	57	67	43	37	49	20
I0221	Maintain publications libraries, other than technical order (TO) libraries	32	18	34	83	30	17	40	20
I0222	Maintain security or COMSEC forms for safes, containers, or rooms	48	25	60	83	64	51	74	60
I0223	Maintain time compliance technical orders (TCTOs)	12	14	9	17	13	6	19	0
I0224	Maintain TO libraries	16	18	9	50	16	6	26	0
I0225	Maintain or update status indicators, such as boards, graphs, or charts	19	4	23	67	24	11	34	20
I0226	Monitor frequencies for interference among users	14	18	11	17	30	31	30	20

D T Tsk Y Nbr	Task Title	ANG TOT	ANG 5	ANG 7	ANG 9	AFRC TOT	AFRC 5	AFRC 7	AFRC 9
I0227	Perform two-person integrity (TPI) procedures for top secret materials	22	21	20	33	16	20	15	0
I0228	Prepare administrative, classified, or COMSEC materials or documents for mailing, transporting, or issue	45	18	57	100	56	51	60	60
I0229	Prepare reports of security or COMSEC violations	30	14	34	83	57	49	66	40
I0230	Prepare reports of survey	16	7	11	83	33	17	47	20
I0231	Request permanent frequency changes	13	7	17	17	26	20	32	20
I0232	Research marking or processing classified materials directives	20	11	17	83	23	14	30	20
I0233	Research TOs to identify components or equipment	25	18	26	50	22	11	32	0
I0234	Review deficiency, service, or status reports	13	4	17	33	21	17	26	0
I0235	Review propagation aids or charts	17	14	20	17	36	31	38	40
I0236	Review publishing bulletins	16	4	20	50	24	14	32	20
I0237	Review recording tapes for radio procedures	4	4	6	0	15	11	19	0
I0238	Review traffic records	14	18	11	17	25	20	30	20
I0239	Store classified or COMSEC materials or documents, other than at deployed locations	45	21	54	100	59	49	68	40
I0240	Transport classified or COMSEC materials or documents	51	25	63	100	67	54	74	80
I0241	Update frequency allocation lists	12	0	14	50	26	26	28	20
I0242	Update and post lists, such as access or operator aids	29	11	34	83	30	20	36	40
I0243	Write minutes of briefings, conferences, or meetings	10	7	6	50	28	17	34	40
I0244	Write reports, such as after-action, outage, spectrum interference, or unit readiness	28	7	37	67	43	31	51	40

J PERFORMING GENERAL SUPPLY AND EQUIPMENT ACTIVITIES

D T Tsk Y Nbr	Task Title	ANG TOT	ANG 5	ANG 7	ANG 9	AFRC TOT	AFRC 5	AFRC 7	AFRC 9
J0245	Coordinate maintenance of equipment with appropriate agencies	33	18	40	67	33	23	40	40
J0246	Develop equipment checklists	39	29	40	83	46	34	57	20
J0247	Evaluate serviceability of equipment, tools, parts, or supplies	28	21	29	50	49	43	55	40
J0248	Identify and report equipment or supply problems	42	29	49	67	54	43	64	40
J0249	Initiate requisitions for equipment, tools, parts, or supplies	28	14	31	67	38	29	43	60
J0250	Inventory equipment, tools, parts, or supplies	49	39	51	83	55	46	64	40
J0251	Issue or log turn-ins of equipment, tools, parts, or supplies	25	14	31	33	38	34	38	60
J0252	Maintain documentation on items requiring periodic inspections or calibrations	19	11	20	50	33	31	36	20
J0253	Maintain organizational equipment or supply records	16	11	14	50	36	31	40	20
J0254	Pick up, deliver, or store equipment, tools, parts, or supplies	25	21	23	50	46	40	51	40
J0255	Research supply requisition data, such as supply catalogs or master cross-reference listings (MCRLs)	9	7	6	33	15	3	23	20
J0256	Validate supply transaction listings or rosters, such as D-04, D-18, or M-30	4	4	3	17	7	3	9	20

D T Tsk Y Nbr	Task Title	ANG TOT	ANG 5	ANG 7	ANG 9	AFRC TOT	AFRC 5	AFRC 7	AFRC 9
K	PERFORMING MOBILITY AND CONTINGENCY ACTIVITIES								
K0257	Assign personnel to mobility or contingency positions	10	7	6	50	16	3	23	40
K0258	Brief deploying personnel	30	11	37	83	37	20	49	40
K0259	Complete hazardous cargo shipping documents	17	11	20	33	29	23	30	60
K0260	Complete operations plan (OPLAN) sourcing requirements	17	11	14	67	15	9	19	20
K0261	Compute OPLAN requirements status listings	10	0	9	67	13	6	17	20
K0262	Conduct contingency operation/mobility planning and execution system (COMPES) programs	7	0	6	50	10	3	17	0
K0263	Conduct mobility or deployment site surveys	14	4	17	50	32	23	40	20
K0264	Coordinate deployment of personnel with other MAJCOMs or joint service commands	9	4	6	50	10	3	17	0
K0265	Coordinate exercise sourcing requirements with functional managers	7	4	3	50	14	9	19	0
K0266	Coordinate mobility or contingency requirements with appropriate agencies	9	4	6	50	15	9	19	20
K0267	Coordinate specific source of personnel requirements with appropriate agencies	9	7	3	50	16	11	21	0
K0268	Determine cost factors for support agreements	3	4	3	0	6	0	11	0
K0269	Determine specific source of personnel requirements for deployment manning documents	4	4	3	17	8	6	11	0
K0270	Develop contingency exercise mobility (CEM) orders	4	4	6	0	7	0	13	0
K0271	Develop mobility inspection checklists	17	14	14	50	28	14	36	40
K0272	Dispatch mobile radio units	6	4	6	17	26	20	32	20
K0273	Don or doff chemical warfare personal protective clothing	52	14	74	100	63	46	77	60
K0274	Erect tents	38	32	46	17	61	49	70	60
K0275	Inspect mobility bags or kits	57	39	69	67	55	43	62	80
K0276	Inspect packed or palletized mobility or contingency equipment prior to transport	30	11	49	17	41	23	49	100
K0277	Maintain accountability of personnel selected to fill OPLAN requirements	17	4	23	50	16	6	23	20
K0278	Maintain base OPLAN files	12	4	11	50	15	9	19	20
K0279	Maintain disaster preparedness checklists	20	11	20	67	22	20	23	20
K0280	Pack or palletize mobility or contingency equipment for shipment or movement	29	11	43	33	46	29	55	80
K0281	Perform camouflage procedures	32	18	46	17	53	46	60	40
K0282	Perform chemical warfare agent decontamination procedures	36	18	49	50	56	49	64	40
K0283	Perform disease or pestilence countermeasures	17	11	23	17	30	34	30	0
K0284	Perform explosive ordnance reconnaissance	16	7	17	50	43	31	53	20
K0285	Perform plans file and mobility file matches	6	4	3	33	14	11	17	0
K0286	Perform predeployment reconnaissance surveys	7	4	3	50	15	6	21	20
K0287	Perform safety measures by marking radiation hazards or antenna systems	23	18	29	17	46	40	51	40
K0288	Perform or set up site security	23	21	20	50	48	46	53	20
K0289	Prepare equipment for deployments	46	25	54	100	64	57	70	60

D T Tsk Y Nbr	Task Title	ANG TOT	ANG 5	ANG 7	ANG 9	AFRC TOT	AFRC 5	AFRC 7	AFRC 9
K0290	Prepare hazardous cargo for deployment	26	18	29	50	34	23	40	60
K0291	Prepare sites at deployed locations, such as cutting grass or removing snow	14	14	11	33	26	26	28	20
K0292	Process classified or COMSEC materials or documents at deployed locations	54	21	71	100	62	51	70	60
K0293	Request or distribute mobility requirements documents	14	11	9	67	16	11	19	20
K0294	Set up or tear down shelters	30	21	40	17	47	40	55	20
K0295	Tear down, inspect, clean, and reassemble weapons, such as M-16 rifles	45	36	51	50	60	46	72	40
L	PERFORMING TRAINING ACTIVITIES								
L0296	Administer or score tests	19	4	26	50	24	6	36	40
L0297	Brief personnel concerning training programs or matters	33	7	49	67	40	17	57	40
L0298	Complete student entry or withdrawal forms	12	4	17	17	14	3	21	20
L0299	Conduct formal course classroom training	19	7	23	50	26	17	32	40
L0300	Conduct on-the-job training (OJT)	58	25	77	100	61	34	79	80
L0301	Counsel trainees on training progress	45	18	57	100	46	17	68	40
L0302	Determine training requirements	46	21	57	100	30	6	49	20
L0303	Develop formal course curricula, plans of instruction (POIs), or specialty training standards (STSs)	16	7	14	67	9	0	15	20
L0304	Develop training programs, plans, or procedures	33	18	34	100	30	9	45	40
L0305	Develop written tests	25	11	26	83	17	3	26	40
L0306	Develop or procure training materials or aids	28	11	31	83	36	17	45	80
L0307	Establish or maintain study reference files	23	14	23	67	22	6	32	40
L0308	Evaluate effectiveness of training programs, plans, or procedures	26	11	31	67	20	6	28	40
L0309	Evaluate progress of trainees	39	18	46	100	38	9	57	60
L0310	Evaluate training methods or techniques of instructors	19	7	20	67	23	6	32	60
L0311	Inspect training materials or aids for operation or suitability	20	11	17	83	31	20	38	40
L0312	Maintain training records or files	43	18	57	83	56	31	77	40
L0313	Personalize lesson plans	23	0	31	83	28	11	34	80
L0314	Prepare job qualification standards (JQSs)	23	11	26	67	22	3	36	20
L0315	Write training reports	17	11	17	50	21	3	30	60
M	PERFORMING MANAGEMENT AND SUPERVISORY ACTIVITIES								
M0316	Annotate time and attendance sheets for civilian employees	10	7	9	33	8	0	15	0
M0317	Assign personnel to work areas or duty positions	14	0	23	33	30	9	45	40
M0318	Assign sponsors for newly assigned personnel	14	4	20	33	17	3	30	0
M0319	Conduct general meetings, such as staff meetings, briefings, conferences, or workshops	25	7	31	67	30	20	36	40
M0320	Conduct safety inspections of equipment or facilities	16	7	23	17	30	17	40	20

D T Tsk Y Nbr	Task Title	ANG TOT	ANG 5	ANG 7	ANG 9	AFRC TOT	AFRC 5	AFRC 7	AFRC 9
M0321	Conduct self-inspections or self-assessments	32	18	34	83	38	26	49	20
M0322	Conduct staff assistance visits, inspections, or audits	14	7	14	50	13	3	19	20
M0323	Conduct supervisory orientations for newly assigned personnel	22	7	29	50	30	6	49	20
M0324	Conduct supervisory performance feedback sessions	19	7	23	50	28	6	45	20
M0325	Counsel subordinates concerning personal matters	29	7	43	50	25	6	40	20
M0326	Determine or establish logistics requirements, such as personnel, equipment, tools, parts, supplies, or workspace	22	7	26	67	26	23	30	20
M0327	Determine or establish work assignments or priorities	22	4	23	100	31	14	43	40
M0328	Develop inputs to mobility, contingency, disaster preparedness, or unit emergency or alert plans	19	7	20	67	18	11	23	20
M0329	Develop organizational or functional charts	13	7	11	50	11	0	19	20
M0330	Develop resource protection programs	6	0	3	50	13	3	19	20
M0331	Develop self-inspection or self-assessment program checklists	16	4	17	67	15	3	23	20
M0332	Develop or establish work methods, procedures or schedules	29	14	29	100	22	6	32	40
M0333	Direct operations of field or ground radio stations	14	11	17	17	29	20	34	40
M0334	Draft budget requirements	7	4	3	50	9	0	15	20
M0335	Draft host-tenant or interservice agreements	7	7	6	17	6	0	11	0
M0336	Draft supplements or changes to communications publications	7	4	9	17	6	0	11	0
M0337	Draft supplements or changes to directives, such as policy directives, instructions, or manuals, other than communications publications	10	7	11	17	6	0	11	0
M0338	Establish COMSEC subaccounts	14	11	14	33	15	6	23	0
M0339	Establish organizational policies, such as operating instructions (OIs) or standard operating procedures (SOPs)	25	7	26	100	21	6	30	40
M0340	Establish performance standards for subordinates	23	7	26	83	20	9	28	20
M0341	Evaluate communications operations	28	18	34	33	29	23	36	0
M0342	Evaluate inspection report findings or inspection procedures	17	7	17	67	20	9	30	0
M0343	Evaluate job hazards or compliance with Air Force Occupational Safety and Health (AFOSH) program	22	4	26	83	25	17	32	20
M0344	Evaluate maintenance or utilization of equipment, tools, parts, supplies, or workspace	22	11	23	67	18	9	28	0
M0345	Evaluate modified, new, or prototype equipment	16	7	14	67	16	11	21	0
M0346	Evaluate personnel for compliance with performance standards	28	14	29	83	21	9	30	20
M0347	Evaluate personnel for promotion, demotion, reclassification, or special awards	28	11	31	83	24	3	40	20
M0348	Implement safety or security programs	20	7	23	67	23	11	32	20
M0349	Implement status of resources and training system (SORTS) programs	4	4	3	17	6	0	11	0
M0350	Initiate actions required due to substandard performance of personnel	19	4	26	50	15	3	21	40
M0351	Initiate personnel action requests	17	4	20	67	15	3	21	40

D T Tsk Y Nbr	Task Title	ANG TOT	ANG 5	ANG 7	ANG 9	AFRC TOT	AFRC 5	AFRC 7	AFRC 9
M0352	Inspect personnel for compliance with military standards	33	7	46	83	25	9	36	40
M0353	Interpret policies, directives, or procedures for subordinates	29	4	40	83	24	11	34	20
M0354	Investigate accidents or incidents	12	4	9	67	17	9	23	20
M0355	Perform as liaison to communications centers or spectrum managers for spectrum interference actions	9	4	9	33	14	9	17	20
M0356	Plan communications support for exercises or special missions	19	7	17	83	24	9	36	20
M0357	Plan equipment replacement programs	9	4	9	33	14	3	21	20
M0358	Plan layouts of facilities	10	4	9	50	14	3	21	20
M0359	Plan personnel or equipment deployments	13	0	14	67	18	3	30	20
M0360	Review budget requirements	9	7	0	67	8	0	13	20
M0361	Review drafts of supplements or changes to directives, such as policy directives, instructions, or manuals	14	4	14	67	11	9	13	20
M0362	Review mobility, contingency, disaster preparedness, or unit emergency or alert plans	16	4	14	83	18	17	21	0
M0363	Schedule personnel for TDY assignments, leaves, or passes	19	7	17	83	15	0	26	20
M0364	Write inspection reports	6	4	3	33	10	0	17	20
M0365	Write job or position descriptions	17	7	17	67	15	6	21	20
M0366	Write or indorse civilian performance appraisals	1	0	0	17	9	0	15	20
M0367	Write or indorse military performance reports	14	4	14	67	28	6	38	80
M0368	Write recommendations for awards or decorations	26	11	31	67	28	3	43	60
M0369	Write replies to inspection reports	14	7	9	83	18	3	30	20
M0370	Write staff studies, surveys, or routine reports, other than training or inspection reports	7	4	6	33	10	3	15	20

Report Option Table for Modules

Option	Status
Primary Sort	Inventory Sequence
Secondary Sort	Not Used
Print Suppress	Not Used

Report Option Table for Tasks

Option	Status
Primary Sort	Inventory Sequence
Secondary Sort	Not Used
Print Suppress	Not Used

Description of Reported Module Factors

Col	Factor	Source vector	Title					
1	TITLE		Module Statement					

Description of Reported Task Factors

Col	Factor	Source vector	Task Statement	Number Members	Mean	S.D.	Max	Min	Valid
1	TITLE								
2	F0012	GP0012/PMP	All Air Guard Airmen with DAFSC 3C1X1	69	21.26	14.33	84.06	.00	370
3	F0016	GP0016/PMP	All Air Reserve Airmen with DAFSC 3C1X1	87	28.11	18.72	81.61	.00	370
4	F0013	GP0013/PMP	All Air Guard Airmen with DAFSC 3C151	28	16.25	14.51	89.29	.00	370
5	F0017	GP0017/PMP	All Air Reserve Airmen with DAFSC 3C151	35	22.06	19.21	77.14	.00	370
6	F0014	GP0014/PMP	All Air Guard Airmen with DAFSC 3C171	35	22.73	17.64	85.71	.00	370
7	F0018	GP0018/PMP	All Air Reserve Airmen with DAFSC 3C171	47	33.33	20.04	82.98	.00	370
8	F0015	GP0015/PMP	All Air Guard Airmen with DAFSC 3C191	6	36.04	33.34	100.00	.00	370
9	F0019	GP0019/PMP	All Air Reserve Airmen with DAFSC 3C191	5	21.35	22.67	100.00	.00	370

STS 3C1X1, Radio Communications Systems, dated February 2002, is presented
below with matched job inventory tasks and occupational survey data.

STS items are listed below the dotted line, followed by a listing of
matched tasks. Pertinent survey data are printed to the right of each
task. This printout is extremely useful during utilization and training
workshops (U&TWs) to validate STS content and in determining appropriate
training codes for STS items. In addition, tasks which were not matched
to any STS item are listed in a "Tasks Not Referenced" section at the end
of the printout. These unreferenced tasks should be carefully reviewed to
identify new areas which may warrant inclusion in the STS.

For assistance in interpretation of this printout, contact AFOMS/OAE,
at DSN 487-6811, ext 3011.

D T Tsk Y Nbr	Task Title	ANG TOT	AFRC TOT	ANG 5	AFRC 5	ANG 7	AFRC 7	ANG 9	AFRC 9
0001	STS 3C1X1, RADIO COMMUNICATIONS SYSTEMS, dated February 2002								
0002	1. RADIO COMMUNICATIONS SYSTEMS CAREER FIELD								
0003	1.1. Structure	A	B	-					
0004	1.2. Progression within Air Force Specialty Code (AFSC)	A	-	B					
0005	1.3. Air Force Specialty Code (AFSC)								
0006	1.3.1. Duties	A	-	B					

D T Tsk Y Nbr	Task Title	ANG AFRC TOT TOT	ANG 5	AFRC 5	ANG 7	AFRC 7	ANG 9	AFRC 9
0007	1.3.2. Responsibilities		A	-	B			
0008	1.3.3. Qualifications		A	-	B			
0009	1.3.4. Customer relations		A	-	-			
0010	1.3.5. Associated Communications & Information (C&I) AFSCs		A	B	-			
0011	1.4. Roles and Mission		A	A	-			
0012	1.5. Aerospace Expeditionary Force (AEF)		A	B	B			
0013	2. SUPERVISION							
0014	2.1. Brief Newly Assigned Personnel							
0015	2.1.1. Safety		-	-	-			

D T Tsk Y Nbr	Task Title	ANG AFRC TOT TOT	ANG AFRC 5 5	ANG AFRC 7 7	ANG AFRC 9 9
0016	2.1.2. Mission	- -			
0017	2.1.3. Responsibilities	- -			
0018	2.1.4. Recognition Programs	- A			
0019	2.2. Interpret for Subordinates				
0020	2.2.1. Policies	- -			
0021	2.2.2. Directives	- -			
0022	2.2.3. Procedures	- -			
0023	2.3. Plan and Schedule				
0024	2.3.1. Work assignments	- -			

D T Tsk Y Nbr	Task Title	ANG AFRC TOT TOT	ANG 5	AFRC 5	ANG 7	AFRC 7	ANG 9	AFRC 9
0025	2.3.2. Shifts	- -	-					
0026	2.3.3. Priorities	- -	-					
0027	2.4. Establish							
0028	2.4.1. Work methods	- -	-					
0029	2.4.2. Controls	- -	-					
0030	2.4.3. Performance standards	- -	-					
0031	2.5. Brief Subordinates on Local and Standard Procedures	- -	-					
0032	2.6. Provide Feedback and Evaluate Work Performance	- -	-					
0033	2.7. Initiate Action to Correction Substandard Personnel Performance	- -	-					

D T Tsk Y Nbr	Task Title	ANG TOT	AFRC TOT	ANG 5	AFRC 5	ANG 7	AFRC 7	ANG 9	AFRC 9
0034	2.8. Rate Personnel Performance	-	-						
0035	2.9. Counsel Personnel on Personal and Military Related Problems	-	-						
0036	2.10. Identify								
0037	2.10.1. Personnel requirements	-	-						
0038	2.10.2. Equipment requirements	-	-						
0039	2.11. Resolve Technical Problems Encountered by Subordinates	-	-						
0040	2.12. Observe Equipment Operation to Ensure Conformance with Established Standards	-	-						
0041	2.13. Demonstrate how to Operate Equipment	-	-						
0042	2.14. Facility Maintenance								

D T Tsk Y Nbr	Task Title	ANG TOT	AFRC TOT	ANG 5	AFRC 5	ANG 7	AFRC 7	ANG 9	AFRC 9
0043	2.14.1. Plan	-	-						
0044	2.14.2. Schedule	-	-						
0045	2.14.3. Supervise	-	-						
0046	2.15. Operating Instructions (OI)								
0047	2.15.1. Prepare local operating procedures	-	-						
0048	2.15.2. Issue	-	-						
0049	2.15.3. Review	-	-						
0050	2.16. Self-Inspections/Quality Indicators								
0051	2.16.1. Prepare	-	-						

D T Tsk Y Nbr	Task Title	ANG AFRC TOT TOT	ANG AFRC 5 5	ANG AFRC 7 7	ANG AFRC 9 9
0052	2.16.2. Review	- -			
0053	2.16.3. Issue	- -			
0054	2.16.4. Conduct	- -			
0055	2.16.5. Follow-up	- -			
0056	2.17. Develop Budget Input				
0057	2.17.1. Analyze costs and utilization	- -			
0058	2.17.2. Create budget	- -			
0059	3. TRAINING				
0060	3.1. Evaluate Personnel for Need of Training	- -			
L 302	Determine training requirements	46 30	21 6	57 49	100 20

D T Tsk Y Nbr	Task Title	ANG TOT	AFRC TOT	ANG 5	AFRC 5	ANG 7	AFRC 7	ANG 9	AFRC 9
0061	3.2. Enlisted Specialty Training (EST) Management								
0062	3.2.1. Prepare job qualification standard (JQS)	-	-						
L 314	Prepare job qualification standards (JQSs)	23	22	11	3	26	36	67	20
0063	3.2.2. Procure training material	-	-						
L 306	Develop or procure training materials or aids	28	36	11	17	31	45	83	80
0064	3.2.3. Motivate trainers and trainees	-	-						
0065	3.2.4. Develop training materials	-	-						
L 303	Develop formal course curricula, plans of instruction (POIs), or specialty training standards (STSs)	16	9	7	0	14	15	67	20
L 304	Develop training programs, plans, or procedures	33	30	18	9	34	45	100	40
L 305	Develop written tests	25	17	11	3	26	26	83	40
L 311	Inspect training materials or aids for operation or suitability	20	31	11	20	17	38	83	40
0066	3.2.5. Counsel trainees on training progress	-	-						
L 301	Counsel trainees on training progress	45	46	18	17	57	68	100	40
L 309	Evaluate progress of trainees	39	38	18	9	46	57	100	60
0067	3.2.6. Monitor effectiveness of:								

D T Tsk Y Nbr	Task Title	ANG 5	AFRC 5	ANG 7	AFRC 7	ANG 9	AFRC 9	ANG TOT	AFRC TOT
0068	3.2.6.1. Career knowledge upgrade training progress	--	--						
L 300	Conduct on-the-job training (OJT)	25	34	77	79	100	80	58	61
0069	3.2.6.2. Job proficiency upgrade training	--	--						
L 300	Conduct on-the-job training (OJT)	25	34	77	79	100	80	58	61
0070	3.2.6.3. Qualification training	--	--						
0071	3.3. Maintain Training Records	--	--						
L 312	Maintain training records or files	18	31	57	77	83	40	43	56
0072	3.4. Evaluate Effectiveness of Training Programs	--	--						
L 308	Evaluate effectiveness of training programs, plans, or procedures	11	6	31	28	67	40	26	20
L 310	Evaluate training methods or techniques of instructors	7	6	20	32	67	60	19	23
L 311	Inspect training materials or aids for operation or suitability	11	20	17	38	83	40	20	31
0073	3.5. Recommend Personnel for Training	--	--						
0074	4. OPERATIONAL RISK MANAGEMENT (ORM)								

D T Tsk Y Nbr	Task Title				ANG TOT	AFRC TOT	ANG 5	AFRC 5	ANG 7	AFRC 7	ANG 9	AFRC 9
0075	4.1. Hazards of AFSC 3C1X1	A	B	-								
0076	4.2. AFOSH Standards for AFSC	A	-	-								
0077	4.3. Use Consistent Safety Practices	2b	B	-								
I 210	Complete accident or incident reports				23	38	14	34	23	43	67	20
0078	4.4. Maintain Clean Work Environment	A	-	-								
0079	5. C-CS ADMINISTRATIVE FUNCTIONS											
0080	5.1. Publications											
0081	5.1.1. Air Force Manuals (AFMAN)	A	-	-								
0082	5.1.2. Air Force Policy Directives (AFPD)	A	-	-								
0083	5.1.3. Air Force Instructions (AFI)	A	-	-								

D T Tsk Y Nbr	Task Title			ANG TOT	AFRC TOT	ANG 5	AFRC 5	ANG 7	AFRC 7	ANG 9	AFRC 9
0084	5.1.4. Air Force Pamphlets (AFPAM)	A	- -								
0085	5.1.5. Joint Army Navy Air Force Publications (JANAP)	A	B -								
0086	5.1.6. Allied Communications Publications (ACP)	A	B -								
0087	5.1.7. Operating Instructions (OI)	A	- -								
0088	5.1.8. Commercial/vendor publications	A	- -								
0089	5.1.9. DISA Publications	A	- -								
0090	5.1.10. Technical Orders (TO)	A	B -								
I 223	Maintain time compliance technical orders (TCTOs)			12	13	14	6	9	19	17	0
I 224	Maintain TO libraries			16	16	18	6	9	26	50	0
I 233	Research TOs to identify components or equipment			25	22	18	11	26	32	50	0
0091	5.1.11. Military Standard (MIL STD)	A	A -								

D T Tsk Y Nbr	Task Title	ANG AFRC TOT TOT		ANG 5	AFRC 5	ANG 7	AFRC 7	ANG 9	AFRC 9
0092	5.1.12. Communication Act of 1934	A	-	-					
0093	5.1.13. Flight Information Publications (FLIPS)	A	B	-					
F 138	Assemble, issue, retrieve, or update flight information publication (FLIP) bags	23	29	7	26	29	32	67	20
0094	5.2. Publications Handling								
0095	5.2.1. Order documents and changes	-	-	-					
0096	5.2.2. Post changes	-	-	-					
I 242	Update and post lists, such as access or operator aids	29	30	11	20	34	36	83	40
0097	5.3. Identify Procedures for locating Publication Numbers and Titles Using Indexes	b	-	-					
0098	5.4. Identify Procedures Publications to Locate Operating Procedures and Technical Data	b	-	-					
I 236	Review publishing bulletins	16	24	4	14	20	32	50	20
0099	5.5. Supply Functions								

D T Tsk Y Nbr	Task Title	ANG TOT	AFRC TOT	ANG 5	AFRC 5	ANG 7	AFRC 7	ANG 9	AFRC 9
0100	5.5.1. Maintain accounts	-	-						
0101	5.5.2. Keep records	-	-						
I 218	Initiate or maintain standby rosters or workcenter pyramid recall rosters	25	24	7	9	29	36	83	20
I 219	Maintain administrative files	46	46	21	23	57	66	100	20
I 220	Maintain data logs	49	43	36	37	57	49	67	20
I 221	Maintain publications libraries, other than technical order (TO) libraries	32	30	18	17	34	40	83	20
I 223	Maintain time compliance technical orders (TCTOs)	12	13	14	6	9	19	17	0
I 224	Maintain TO libraries	16	16	18	6	9	26	50	0
I 243	Write minutes of briefings, conferences, or meetings	10	28	7	17	6	34	50	40
I 244	Write reports, such as after-action, outage, spectrum interference, or unit readiness	28	43	7	31	37	51	67	40
0102	5.6. Equipment Records A B	-							
I 230	Prepare reports of survey	16	33	7	17	11	47	83	20
0103	5.7. Office Records Management A B	-							
0104	5.7.1. Traffic A B	-							
I 209	Compile data for records, reports, logs, or trend analyses	25	28	14	14	29	40	50	0
I 238	Review traffic records	14	25	18	20	11	30	17	20
0105	5.7.2. Records A B	-							
I 209	Compile data for records, reports, logs, or trend analyses	25	28	14	14	29	40	50	0
I 218	Initiate or maintain standby rosters or workcenter pyramid recall rosters	25	24	7	9	29	36	83	20
I 220	Maintain data logs	49	43	36	37	57	49	67	20

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D T Tsk Y Nbr	Task Title	ANG TOT	AFRC TOT	ANG 5	AFRC 5	ANG 7	AFRC 7	ANG 9	AFRC 9
I 223	Maintain time compliance technical orders (TCTOs)	12	13	14	6	9	19	17	0
I 224	Maintain TO libraries	16	16	18	6	9	26	50	0
I 238	Review traffic records	14	25	18	20	11	30	17	20
I 243	Write minutes of briefings, conferences, or meetings	10	28	7	17	6	34	50	40
0106	5.8. System Software Support	A	B	-					
0107	5.9. Magnetic Media Handling and Disposition	-	-	-					
C 60	Change computer diskettes or tapes	38	62	18	60	51	64	50	60
C 62	Change or store magnetic media or recording tapes	13	16	7	11	14	19	33	20
C 66	Clean recorder-reproducer heads	3	6	4	6	3	6	0	0
C 67	Degauss recording tapes	3	7	4	6	0	6	17	20
0108	5.10. Communications Regulatory Agencies	A	B	-					
0109	5.11. Command and Control (C2) Agencies								
0110	5.11.1. National Command Authority (NCA)	A	-	-					
0111	5.11.2. National Military Command System	A	B	-					
0112	5.11.3. Mobile Consolidated Command Center (MCCC)	A	-	-					

D T Tsk Y Nbr	Task Title			ANG TOT	AFRC TOT	ANG 5	AFRC 5	ANG 7	AFRC 7	ANG 9	AFRC 9
0113	5.12. Legal Status of Communications Records										
0114	5.12.1. Radio logs	A	B	-							
0115	5.12.2. Recording devices	A	B	-							
C 66	Clean recorder-reproducer heads				3	6	4	6	3	6	0	0
C 67	Degauss recording tapes				3	7	4	6	0	6	17	20
E 132	Identify recording equipment malfunctions				10	7	18	0	6	13	0	0
I 237	Review recording tapes for radio procedures				4	15	4	11	6	19	0	0
0116	6. C41 SECURITY										
0117	6.1. Operations Security (OPSEC)										
0118	6.1.1. Definition	A	B	-							
0119	6.1.2. Background	A	A	-							
0120	6.1.3. Relationship of OPSEC to other security programs	A	A	B							

D T Tsk Y Nbr	Task Title	ANG AFRC TOT TOT		ANG 5	AFRC 5	ANG 7	AFRC 7	ANG 9	AFRC 9
0121	6.1.4. Vulnerabilities	A	B -						
0122	6.1.5. Critical information	A	A -						
0123	6.2. Information Security								
0124	6.2.1. Classification process	-	- '						
0125	6.2.2. Declassification process	-	- -						
0126	6.2.3. Information safeguards								
0127	6.2.3.1. Unclassified								
0128	6.2.3.1.1. Privacy Act	A	A -						
0129	6.2.3.1.2. For Official Use Only (FOUO)	A	A -						

D T Tsk Y Nbr	Task Title				ANG TOT	AFRC TOT	ANG 5	AFRC 5	ANG 7	AFRC 7	ANG 9	AFRC 9
0130	6.2.3.1.3. Sensitive But Unclassified (SBU)	A	A	-								
0131	6.2.3.2. Classified	A	A	-								
0132	6.3. Communications Security (COMSEC)											
0133	6.3.1. Definition	A	B	B								
0134	6.3.2. Vulnerabilities	A	B	-								
0135	6.3.3. Safeguarding information	2b	B	-								
I 212	Destroy classified or COMSEC materials or documents				62	80	29	77	83	83	100	80
I 213	Establish or maintain accountability records for classified or COMSEC materials or documents				64	71	36	63	80	77	100	80
0136	6.3.4. Identify/report insecurities	A	B	B								
I 215	Identify and report suspected security compromises				57	64	29	54	71	72	100	60
I 216	Initiate classified reports, messages, or documents				41	44	11	29	54	55	100	40
I 229	Prepare reports of security or COMSEC violations				30	57	14	49	34	66	83	40
0137	6.3.5. COMSEC materials											

D T Y Tsk Nbr	Task Title			ANG TOT	AFRC TOT	ANG 5	AFRC 5	ANG 7	AFRC 7	ANG 9	AFRC 9
0138	6.3.5.1. Accounting	2b	- -								
I 213	Establish or maintain accountability records for classified or COMSEC materials or documents			64	71	36	63	80	77	100	80
I 222	Maintain security or COMSEC forms for safes, containers, or rooms			48	64	25	51	60	74	83	60
I 232	Research marking or processing classified materials directives			20	23	11	14	17	30	83	20
0139	6.3.5.2. Document	2b	B -								
I 213	Establish or maintain accountability records for classified or COMSEC materials or documents			64	71	36	63	80	77	100	80
I 232	Research marking or processing classified materials directives			20	23	11	14	17	30	83	20
0140	6.3.5.3. Store	2b	B -								
I 222	Maintain security or COMSEC forms for safes, containers, or rooms			48	64	25	51	60	74	83	60
I 239	Store classified or COMSEC materials or documents, other than at deployed locations			45	59	21	49	54	68	100	40
0141	6.3.5.4. Handle	2b	B -								
I 213	Establish or maintain accountability records for classified or COMSEC materials or documents			64	71	36	63	80	77	100	80
I 222	Maintain security or COMSEC forms for safes, containers, or rooms			48	64	25	51	60	74	83	60
I 227	Perform two-person integrity (TPI) procedures for top secret materials			22	16	21	20	20	15	33	0
0142	6.3.5.5. Destroy	2b	B -								
I 212	Destroy classified or COMSEC materials or documents			62	80	29	77	83	83	100	80

D T Tsk Y Nbr	Task Title				ANG TOT	AFRC TOT	ANG 5	AFRC 5	ANG 7	AFRC 7	ANG 9	AFRC 9
0143	6.3.5.6. Transport	b	B	-								
F 147	Issue, load, or retrieve cryptographic equipment				48	45	14	43	69	45	83	60
I 228	Prepare administrative, classified, or COMSEC materials or documents for mailing, transporting, or issue				45	56	18	51	57	60	100	60
I 240	Transport classified or COMSEC materials or documents				51	67	25	54	63	74	100	80
0144	6.3.5.7. Voice call sign listing	2b	B	-								
D 92	Identify incoming calls using call-sign lists				33	55	39	51	31	62	17	20
I 214	Extract call-signs				43	44	25	23	49	60	100	40
0145	6.3.5.8. Encode/decode document	A	B	-								
D 91	Encode or decode messages automatically or manually				35	57	21	54	46	62	33	40
0146	6.3.5.9. Authentication systems	2b	B	-								
D 75	Authenticate message traffic using transmission authentication systems				39	64	29	71	43	64	67	20
D 76	Authenticate stations using challenge-and-reply systems				42	62	36	66	46	62	50	40
0147	6.3.5.10. Keying materials	2b	A	-								
H 192	Perform manual key loading procedures				22	25	14	23	26	30	33	0
0148	6.3.5.11. Encryption devices	A	B	-								
D 91	Encode or decode messages automatically or manually				35	57	21	54	46	62	33	40
E 121	Identify cryptographic equipment malfunctions				45	55	36	57	49	57	67	20
F 147	Issue, load, or retrieve cryptographic equipment				48	45	14	43	69	45	83	60
H 194	Perform over-the-air (OTAR) rekeying procedures				20	16	18	11	26	21	0	0
H 197	Perform satellite mission control systems (SMCS) key loading procedures				4	6	7	3	3	9	0	0
H 205	Set up Communications Security (COMSEC) equipment				43	48	36	40	51	55	33	40

D T Y	Tsk Nbr	Task Title				ANG TOT	AFRC TOT	ANG 5	AFRC 5	ANG 7	AFRC 7	ANG 9	AFRC 9
	0149	6.3.5.12. Fill devices (e.g. DTD, KOI, KYK)	A	B	-								
H	205	Set up Communications Security (COMSEC) equipment				43	48	36	40	51	55	33	40
	0150	6.3.5.13. Key encryption device procedures (e.g. KOV)	b	-	-								
A	8	Key or zeroize secure cryptographic systems				84	82	79	77	86	83	100	100
A	30	Verify keying of cryptographic equipment				68	71	46	69	83	74	83	60
H	192	Perform manual key loading procedures				22	25	14	23	26	30	33	0
H	195	Perform point-to-point (PTP) call procedures				17	14	18	11	20	17	0	0
H	197	Perform satellite mission control systems (SMCS) key loading procedures				4	6	7	3	3	9	0	0
	0151	6.3.5.14. Operate encryption device	-	-	-								
A	5	Connect or disconnect cryptographic equipment				68	70	79	69	60	68	67	100
	0152	6.3.6. Transmission Security (TRANSEC)	A	B	-								
D	75	Authenticate message traffic using transmission authentication systems				39	64	29	71	43	64	67	20
D	76	Authenticate stations using challenge-and-reply systems				42	62	36	66	46	62	50	40
	0153	6.4. Emission Security (EMSEC)	-	-	-								
	0154	6.4.1. Definition	A	B	-								
	0155	6.4.2. Notifications	-	-	-								

D T Tsk Y Nbr	Task Title	ANG AFRC TOT TOT	ANG 5	AFRC 5	ANG 7	AFRC 7	ANG 9	AFRC 9
0156	6.5. Computer security (COMPUSEC)							
0157	6.5.1. Definition	A B -						
0158	6.5.2. Vulnerabilities	A B -						
0159	6.5.3. Processing classified information	- - -						
0160	6.5.4. Identify/report security violations	- - -						
0161	6.6. Physical Security							
0162	6.6.1. Definition	A B -						
0163	6.6.2. Secure area access management	- - '						
0164	6.6.3. Facility security requirements	- - '						

D T Tsk Y Nbr	Task Title			ANG TOT	AFRC TOT	ANG 5	AFRC 5	ANG 7	AFRC 7	ANG 9	AFRC 9
0165	6.6.4. Classified material control										
0166	6.6.4.1. Storage	A B	-								
I 222	Maintain security or COMSEC forms for safes, containers, or rooms			48	64	25	51	60	74	83	60
I 239	Store classified or COMSEC materials or documents, other than at deployed locations			45	59	21	49	54	68	100	40
0167	6.6.4.2. Shipment	A B	-								
I 228	Prepare administrative, classified, or COMSEC materials or documents for mailing, transporting, or issue			45	56	18	51	57	60	100	60
0168	6.6.4.3. Handling	A B	-								
I 222	Maintain security or COMSEC forms for safes, containers, or rooms			48	64	25	51	60	74	83	60
I 227	Perform two-person integrity (TPI) procedures for top secret materials			22	16	21	20	20	15	33	0
I 232	Research marking or processing classified materials directives			20	23	11	14	17	30	83	20
0169	6.6.4.4. Destruction	A B	-								
0170	6.6.4.5. Classified waste	A B	-								
0171	6.6.5. Identify/report violations procedures	b B	-								
I 215	Identify and report suspected security compromises			57	64	29	54	71	72	100	60
I 229	Prepare reports of security or COMSEC violations			30	57	14	49	34	66	83	40

D T Tsk Y Nbr	Task Title				ANG AFRC TOT TOT	ANG 5	AFRC 5	ANG 7	AFRC 7	ANG 9	AFRC 9
0172	6.7. Security Awareness Training and Education										
0173	6.7.1. Information Awareness (IA)	-	-								
0174	6.7.2. Threats and vulnerabilities	-	-								
0175	6.7.3. Identify/report insecurities	-	-								
0176	6.7.4. Protective measures	-	-								
0177	7. OPERATING PROCEDURES										
0178	7.1. Prepare Message Formats										
0179	7.1.1. Foxtrot	2b	B	-							
D 107	Prepare messages using Foxtrot format				12 13	18	9	9	17	0	0
0180	7.1.2. Emergency Action Message (EAM)	2b	B	-							
D 106	Prepare messages using Emergency Action Message (EAM) format				19 24	21	11	17	34	17	20
D 117	Reset EAM alarms				7 9	14	6	3	13	0	0

D T Tsk Y Nbr	Task Title				ANG TOT	AFRC TOT	ANG 5	AFRC 5	ANG 7	AFRC 7	ANG 9	AFRC 9
0181	7.2. Automatic Digital Network (AUTODIN/Defense Message Service (DMS)	-	-	-								
D 105	Prepare messages using Automatic Digital Network (AUTODIN) or Defense Message Service (DMS) format				10	14	4	11	11	17	33	0
D 117	Reset EAM alarms				7	9	14	6	3	13	0	0
E 123	Identify DMS malfunctions				7	9	11	6	3	13	17	0
0182	7.3. Prescribed procedures in:											
0183	7.3.1. Preventing false or fraudulent distress signals	A	B	-								
D 108	Prevent false distress signals				13	24	7	17	20	32	0	0
0184	7.3.2. Preventing transmission of obscene, indecent, or profane language	A	B	-								
D 109	Prevent transmission of obscene or indecent language				29	51	21	49	40	53	0	40
0185	7.3.3. Frequency control	A	B	-								
D 88	Determine operating frequencies				28	49	21	46	31	53	33	40
D 96	Notify stations of frequency changes				30	48	32	40	34	55	0	40
I 211	Coordinate frequency use with requestors or spectrum managers				19	25	11	20	23	30	33	20
I 226	Monitor frequencies for interference among users				14	30	18	31	11	30	17	20
I 231	Request permanent frequency changes				13	26	7	20	17	32	17	20
I 241	Update frequency allocation lists				12	26	0	26	14	28	50	20
0186	7.3.4. Operating power	A	B	-								

D T Tsk Y Nbr	Task Title				ANG TOT	AFRC TOT	ANG 5	AFRC 5	ANG 7	AFRC 7	ANG 9	AFRC 9
0187	7.3.5. Operating signals	2b	B	-								
D 102	Perform signal testing in radio communications				38	47	54	37	31	55	0	40
D 108	Prevent false distress signals				13	24	7	17	20	32	0	0
0188	7.3.6. Prosigns	2b	B	-								
D 82	Conduct data transmission using prosigns				30	55	29	60	34	53	17	40
0189	7.3.7. Hand printing techniques	2b	-	-								
D 99	Perform hand printing techniques				29	44	18	34	37	51	33	40
0190	7.3.8. Message handling	2b	B	-								
D 93	Identify missent or misrouted messages				14	28	7	26	23	32	0	0
D 115	Receive, transmit, or relay messages				36	54	46	51	31	62	17	0
D 117	Reset EAM alarms				7	9	14	6	3	13	0	0
H 193	Perform message processing procedures				14	17	14	11	17	23	0	0
0191	7.3.9. Log keeping	2b	B	-								
I 220	Maintain data logs				49	43	36	37	57	49	67	20
I 234	Review deficiency, service, or status reports				13	21	4	17	17	26	33	0
0192	7.4. Direction Finding	A	B	-								
D 86	Coordinate aircraft positions with direction-finding (DF) facilities				0	8	0	9	0	9	0	0
D 90	Direct users to tune to your count				12	25	4	11	20	36	0	20

D T Tsk Y Nbr	Task Title				ANG TOT	AFRC TOT	ANG 5	AFRC 5	ANG 7	AFRC 7	ANG 9	AFRC 9
0193	7.5. Use Prescribed Circuit Operating Procedures in Employment of:											
0194	7.5.1. Phonetic alphabet	2b	-	-								
D 81	Conduct data transmission using phonetic alphabet				46	54	54	54	43	55	33	40
0195	7.5.2. Prowords	2b	-	-								
D 83	Conduct data transmission using prowords				30	54	29	57	34	53	17	40
0196	7.5.3. Universal Coordinated Time (UCT)	2b	-	-								
D 80	Conduct data or voice transmissions using universal coordinated time (UCT)				33	43	29	37	40	47	17	40
D 104	Perform time hacks				36	55	29	46	46	64	17	40
0197	7.5.4. Microphone techniques	2b	-	-								
D 100	Perform microphone techniques in radio communications				33	46	29	40	43	51	0	40
0198	7.5.5. Signal testing	2b	-	-								
D 101	Perform radio checks				48	67	50	66	49	70	33	40
D 102	Perform signal testing in radio communications				38	47	54	37	31	55	0	40
0199	7.5.6. Calling and answering	2b	-	-								
D 97	Perform conference call procedures				12	16	14	11	9	21	17	0
D 103	Perform three-way call procedures				14	13	11	6	20	19	0	0
H 195	Perform point-to-point (PTP) call procedures				17	14	18	11	20	17	0	0

D T Tsk Y Nbr	Task Title		ANG TOT	AFRC TOT	ANG 5	AFRC 5	ANG 7	AFRC 7	ANG 9	AFRC 9
0200	7.5.7. Broadcasting	2b - -								
D 77	Broadcast radio transmissions		41	53	54	57	37	51	0	40
D 114	Receive, transmit, or relay broadcasts		28	41	36	46	23	43	17	0
0201	7.5.8. Phone patching procedures	2b B -								
A 24	Set up patch panels		9	6	18	3	3	9	0	0
A 25	Set up phone patch equipment		17	16	18	6	20	26	0	0
B 42	Configure consoles or terminals for phone patch operations		9	9	14	6	6	13	0	0
B 58	Configure transportable switchboard or telephone equipment for phone patch, secure voice data, or switchboard dial code operations		9	10	11	11	9	11	0	0
0202	7.6. Net Control Station	A B -								
A 15	Set time generators on recorders		6	1	11	0	0	2	17	0
B 48	Configure terminals for alternate or net control station (NCS) operations		12	24	11	29	14	23	0	0
D 78	Check stations into or out of net		33	57	29	57	40	60	17	40
D 84	Conduct net roll calls or polls		22	41	14	34	29	47	17	40
D 95	Impose or lift radio silence		22	37	18	31	29	43	0	20
D 96	Notify stations of frequency changes		30	48	32	40	34	55	0	40
0203	7.7. Determine Step-by-Step Operating and reporting Procedures for Command, Control Communications, Countermeasures (C3CM)	b B -								
D 79	Conduct command, control, communications countermeasures (C3CM) using operating procedures		23	46	14	43	31	51	17	20
0204	7.7.1. Spectrum interference (i.e. HF/SATCOM)									

D T Y Tsk Nbr	Task Title				ANG TOT	AFRC TOT	ANG 5	AFRC 5	ANG 7	AFRC 7	ANG 9	AFRC 9
0205	7.7.1.1. Recognition	B	B	-								
D 89	Determine types of spectrum interferences				25	25	4	17	37	34	50	0
D 90	Direct users to tune to your count				12	25	4	11	20	36	0	20
I 226	Monitor frequencies for interference among users				14	30	18	31	11	30	17	20
0206	7.7.1.2. Countermeasures	B	B	-								
D 94	Implement spectrum interference countermeasures				12	24	7	17	14	32	17	0
0207	7.7.1.3. Reporting	A	B	-								
D 87	Coordinate spectrum interferences with DF facilities				6	7	4	6	6	9	17	0
D 116	Record and report spectrum interference incidents				26	24	14	11	34	36	33	0
I 244	Write reports, such as after-action, outage, spectrum interference, or unit readiness				28	43	7	31	37	51	67	40
0208	7.7.2. Handle aircraft emergencies/incidents	2b	B	-								
D 95	Impose or lift radio silence				22	37	18	31	29	43	0	20
0209	7.7.3. Aircraft reports	2b	B	-								
D 110	Receive and relay aircraft emergencies				14	20	25	17	6	23	17	0
D 111	Receive and relay departure reports				12	23	18	23	6	26	17	0
D 112	Receive and relay execution checklist messages				12	16	18	11	6	21	17	0
D 113	Receive and relay position reports				12	22	18	17	6	28	17	0
F 150	Review air tasking documents				23	20	4	14	26	23	100	20
0210	8. WAVE CREATION, PROPAGATION AND RADIATION											

D T Tsk Y Nbr	Task Title	ANG TOT	AFRC TOT	ANG 5	AFRC 5	ANG 7	AFRC 7	ANG 9	AFRC 9
0211	8.1. Wave Creation and Propagation								
0212	8.1.1. Concept of radio waves	B	B	-					
0213	8.1.2. Characteristics of wave travel								
0214	8.1.2.1. Ground waves	B	B	-					
0215	8.1.2.2. Sky waves	B	B	-					
0216	8.1.2.3. Direct wave	B	B	-					
0217	8.1.3. Characteristics of frequency bands	B	B	-					
0218	8.1.4. Typical application:								
0219	8.1.4.1. Carrier wave (CW)	A	A	-					

D T Tsk Y Nbr	Task Title				ANG AFRC TOT TOT	ANG AFRC 5 5	ANG AFRC 7 7	ANG AFRC 9 9
0220	8.1.4.2. Amplitude modulation (AM)	B	B	-				
0221	8.1.4.3. Single side band (SSB)	B	B	-				
0222	8.1.4.4. Frequency modulation (FM)	B	B	-				
0223	8.1.4.5. Frequency shift keying (FSK)	B	B	-				
0224	8.1.4.6. Digital transmissions	B	B	-				
B 56	Configure transceivers for secure radio data transfer				26 41	29 40	20 47	50 0
B 58	Configure transportable switchboard or telephone equipment for phone patch, secure voice data, or switchboard dial code operations				9 10	11 11	9 11	0 0
0225	8.1.4.7. Frequency agility	B	B	-				
B 54	Configure transceivers for Have Quick operations				14 16	14 17	9 17	50 0
0226	8.1.5. Modes of operations							
0227	8.1.5.1. Half duplex	A	A	-				
B 43	Configure equipment for duplex or simplex operations				12 18	7 9	17 28	0 0

D T Tsk Y Nbr	Task Title		ANG TOT	AFRC TOT	ANG 5	AFRC 5	ANG 7	AFRC 7	ANG 9	AFRC 9
0228	8.1.5.2. Full duplex	A A -								
B 43	Configure equipment for duplex or simplex operations		12	18	7	9	17	28	0	0
0229	8.2. Antenna Systems									
0230	8.2.1. Function of antennas	B B -								
E 118	Identify antenna system malfunctions		41	60	57	54	34	66	0	40
0231	8.2.2. General characteristics of antennas									
0232	8.2.2.1. Fixed	B B -								
C 72	Repair antennas, other than tactical antennas		16	21	21	17	11	26	17	0
0233	8.2.2.2. Deployable	B B -								
C 73	Repair tactical antennas		20	31	29	29	17	34	0	20
0234	8.2.2.3 Antenna theory									
0235	8.2.2.3.1. Fixed	B B -								

D T Tsk Y Nbr	Task Title				ANG TOT	AFRC TOT	ANG 5	AFRC 5	ANG 7	AFRC 7	ANG 9	AFRC 9
0236	8.2.2.3.2. Deployable	B	B	-								
0237	8.3. Use Propagation Documents	-	-									
A 13	Select frequency-of-optimum transmissions (FOTs)				22	43	32	43	17	45	0	20
I 235	Review propagation aids or charts				17	36	14	31	20	38	17	40
0238	9. MISSION AND EQUIPMENT CAPABILITIES											
0239	9.1. Mission:											
0240	9.1.1. Global (e.g. MYSTIC STAR)	A	B	B								
0241	9.1.2. Regency net	-	-									
0242	9.1.3. System Information and Telecommunication System of the American Air Forces (SITFAA)	A	A	B								
0243	9.1.4. Global Weather Intercept (GWIP)	-	-									
0244	9.1.5. MILSTAR and AFSATCOM	A	B	B								
E 130	Identify Milstar false alarms or advisories				6	1	11	3	3	0	0	0
E 134	Identify terminal malfunctions				13	14	18	9	11	19	0	0

D TY	Tsk Nbr	Task Title	ANG TOT	AFRC TOT	ANG 5	AFRC 5	ANG 7	AFRC 7	ANG 9	AFRC 9
G	160	Establish communications links with master control centers	12	24	14	26	11	26	0	0
G	161	Establish communications links with mission monitors	9	20	11	26	9	17	0	0
G	162	Establish communications links with on-station aircraft	3	16	4	20	3	15	0	0
G	163	Establish communications links with primary control centers	7	26	11	29	6	28	0	0
G	164	Initiate or terminate satellite commands	4	24	7	23	3	28	0	0
G	165	Load SATCOM command post synchronizers	7	8	14	6	0	11	17	0
G	166	Load terminal software	7	16	7	17	6	17	17	0
G	167	Operate status display units (SDUs)	3	3	4	0	3	6	0	0
G	168	Perform antenna position control functions	13	23	14	20	14	28	0	0
G	169	Perform satellite look-angle procedures	13	18	18	14	11	23	0	0
G	170	Perform selective message routing procedures	3	15	4	9	3	21	0	0
G	171	Perform van set up procedures	7	1	7	0	9	2	0	0
G	172	Queue messages	10	21	7	23	14	21	0	0
G	173	Reconfigure SATCOM systems for operations in degraded conditions	7	14	11	6	6	21	0	0
G	174	Reset terminal software	6	10	11	9	3	13	0	0
G	175	Set up or join Air Force Satellite Communication (AFSATCOM) nets	17	24	25	23	14	28	0	0
G	176	Store SATCOM messages	12	24	14	20	11	30	0	0
G	178	Transmit SATCOM messages	23	39	29	37	23	45	0	0
H	185	Perform anomaly resolution procedures	1	0	4	0	0	0	0	0
H	186	Perform breaking-the-chain (BTC) keying procedures	4	1	7	0	3	2	0	0
H	187	Perform cold start procedures	13	7	11	3	17	11	0	0
H	189	Perform EHF network procedures	7	0	11	0	6	0	0	0
H	190	Perform Milstar emergency shutdown or reset procedures	4	0	7	0	3	0	0	0
H	191	Perform ephemeris update procedures	7	0	11	0	6	0	0	0
H	192	Perform manual key loading procedures	22	25	14	23	26	30	33	0
H	193	Perform message processing procedures	14	17	14	11	17	23	0	0
H	197	Perform satellite mission control systems (SMCS) key loading procedures	4	6	7	3	3	9	0	0
H	198	Perform single-channel transponder (SCT) procedures	7	0	14	0	3	0	0	0
H	199	Perform spot beam procedures	6	1	7	0	6	2	0	0
H	200	Perform terminal control procedures	10	1	14	3	9	0	0	0
H	201	Perform terminal initialization procedures	10	0	14	0	9	0	0	0
H	206	Set up or tear down Milstar networks	7	2	11	6	6	0	0	0
H	207	Set up or tear down Milstar PTP calls	6	1	7	3	6	0	0	0

0245   9.1.6.   Combat Communications   A   B   B

D T Tsk Y Nbr	Task Title	ANG TOT	AFRC TOT	ANG 5	AFRC 5	ANG 7	AFRC 7	ANG 9	AFRC 9
0246	9.1.7. Special Operations A B B								
0247	9.1.8. Wing Contingency Communications (i.e. Theater Deployable Communications (TDC), WICP, MICK) A B -								
0248	9.1.9. Combat Crew Communication (CCC) A B B								
F 135	Assemble, issue, retrieve, or break down daily training communication kits	39	43	14	46	49	40	100	40
F 137	Assemble, issue, retrieve, or break down single integrated operations plan (SIOP) communication kits	35	26	7	23	46	30	100	20
F 138	Assemble, issue, retrieve, or update flight information publication (FLIP) bags	23	29	7	26	29	32	67	20
F 139	Brief aircrews on communications procedures	35	29	14	26	40	32	100	20
F 140	Conduct aircrew or missile crew premission briefings or postmission debriefings	22	18	4	11	26	23	83	20
F 141	Conduct exercise or contingency briefings or debriefings	26	31	7	20	29	36	100	60
F 142	Conduct SIOP or safe passage communications training	30	25	7	17	37	32	100	20
F 143	Construct or maintain combat mission folders (CMFs)	26	22	7	17	31	26	83	20
F 144	Create exercise or contingency communications FLIMSYs	29	22	7	23	34	21	100	20
F 145	Issue, load, or retrieve time standard modules (TSMs) to aircrews	10	7	11	6	6	6	33	20
F 146	Issue, load, retrieve or zeroize transfer modules	20	24	11	23	20	26	67	20
F 147	Issue, load, or retrieve cryptographic equipment	48	45	14	43	69	45	83	60
F 148	Issue or retrieve Identification Friend or Foe (IFF) or Special Identification Feature (SIF) codes	30	24	4	23	43	26	83	20
F 149	Operate transfer module service sets (TMSS)	4	7	4	6	3	6	17	20
F 151	Review flying schedules	29	28	4	23	37	32	100	20
0249	9.1.10. NATO								

D T Y / Tsk Nbr	Task Title	ANG TOT	AFRC TOT	ANG 5	AFRC 5	ANG 7	AFRC 7	ANG 9	AFRC 9
0250	9.1.11. Aeromedical evacuation support A B B								
0251	9.1.12. Joint Communication A B B								
0252	9.2. Equipment								
0253	9.2.1. High Frequency (HF) A B C								
A 23	Set up mobile HF, VHF, UHF, or EHF satellite transceivers	35	57	43	60	31	60	17	20
A 32	Verify or load equipment presets	36	55	46	49	29	66	33	0
B 34	Change receiver, transceiver, or transmitter frequencies manually or by remote control	32	55	36	51	34	60	0	40
B 35	Change recorder-receiver pairings	1	0	4	0	0	0	0	0
G 152	Configure consoles or terminals for secure or nonsecure voice or data communications	26	29	21	26	26	34	50	0
G 159	Establish communications links with command centers	14	32	21	37	6	30	33	20
G 177	Transfer computer data using secure voice communications networks	16	32	25	29	11	38	0	0
H 183	Initiate bit procedures or tests	12	13	14	6	11	17	0	20
0254	9.2.2. Satellite (e.g. MILSTAR, TACSAT) A B C								
A 32	Verify or load equipment presets	36	55	46	49	29	66	33	0
B 41	Configure consoles or terminals for Milstar operations	3	2	4	6	3	0	0	0
B 45	Configure Hammer Rapid Initial Communications Kit (RICK) equipment for voice or data communications	6	1	4	3	9	0	0	0
B 49	Configure terminals for cross-banding	7	5	11	9	6	2	0	0
D 117	Reset EAM alarms	7	9	14	6	3	13	0	0
E 126	Identify Hammer RICK equipment malfunctions	6	1	4	0	9	2	0	0
E 130	Identify Milstar false alarms or advisories	6	1	11	3	3	0	0	0
F 147	Issue, load, or retrieve cryptographic equipment	48	45	14	43	69	45	83	60
G 152	Configure consoles or terminals for secure or nonsecure voice or data communications	26	29	21	26	26	34	50	0
G 154	Configure Satellite Communications (SATCOM) remote subsystems	14	18	18	14	14	23	0	0

D T Y	Tsk Nbr	Task Title	ANG TOT	AFRC TOT	ANG 5	AFRC 5	ANG 7	AFRC 7	ANG 9	AFRC 9	ANG 9	AFRC 9
G	155	Configure SATCOM systems for random operations	16	22	25	14	11	30	0	0	0	0
G	156	Configure SATCOM systems for single-channel transponder systems (SCTSs)	16	13	21	11	14	15	0	0	0	0
G	157	Configure SATCOM systems for time division multiplex (TDM) Mode I operations	7	8	11	6	6	11	0	0	0	0
G	158	Configure SATCOM systems for TDM Mode II operations	4	7	7	6	3	9	0	0	0	0
G	159	Establish communications links with command centers	14	32	21	37	6	30	33	0	0	20
G	160	Establish communications links with master control centers	12	24	14	26	11	26	0	0	0	0
G	161	Establish communications links with mission monitors	9	20	11	26	9	17	0	0	0	0
G	162	Establish communications links with on-station aircraft	3	16	4	20	3	15	0	0	0	0
G	163	Establish communications links with primary control centers	7	26	11	29	6	28	0	0	0	0
G	164	Initiate or terminate satellite commands	4	24	7	23	3	28	0	0	0	0
G	165	Load SATCOM command post synchronizers	7	8	14	6	0	11	17	0	17	0
G	166	Load terminal software	7	16	7	17	6	17	17	0	17	0
G	167	Operate status display units (SDUs)	3	3	4	0	3	6	0	0	0	0
G	168	Perform antenna position control functions	13	23	14	20	14	28	0	0	0	0
G	169	Perform satellite look-angle procedures	13	18	18	14	11	23	0	0	0	0
G	170	Perform selective message routing procedures	3	15	4	9	3	21	0	0	0	0
G	171	Perform van set up procedures	7	1	7	0	9	2	0	0	0	0
G	172	Queue messages	10	21	7	23	14	21	0	0	0	0
G	173	Reconfigure SATCOM systems for operations in degraded conditions	7	14	11	6	6	21	0	0	0	0
G	174	Reset terminal software	6	10	11	9	3	13	0	0	0	0
G	175	Set up or join Air Force Satellite Communication (AFSATCOM) nets	17	24	25	23	14	28	0	0	0	0
G	176	Store SATCOM messages	12	24	14	20	11	30	0	0	0	0
G	177	Transfer computer data using secure voice communications networks	16	32	25	29	11	38	0	0	0	0
G	178	Transmit SATCOM messages	23	39	29	37	23	45	0	0	0	0
H	179	Configure Milstar terminals as antenna, communication, or net control	6	6	11	9	3	4	0	0	0	0
H	180	Configure Milstar terminals as beam management terminals	6	1	11	3	3	0	0	0	0	0
H	181	Configure Milstar terminals for DAMA operations	6	3	11	9	3	0	0	0	0	0
H	182	Establish or modify EHF acquisitions or log on parameters	6	0	11	0	3	0	0	0	0	0
H	183	Initiate bit procedures or tests	12	13	14	6	11	17	0	0	0	20
H	184	Log on or off Milstar networks or satellites	6	3	7	6	6	2	0	0	0	0
H	185	Perform anomaly resolution procedures	1	0	4	0	0	0	0	0	0	0
H	186	Perform breaking-the-chain (BTC) keying procedures	4	1	7	0	3	2	0	0	0	0
H	187	Perform cold start procedures	13	7	11	3	17	11	0	0	0	0
H	189	Perform EHF network procedures	7	0	11	0	6	0	0	0	0	0
H	190	Perform Milstar emergency shutdown or reset procedures	4	0	7	0	3	0	0	0	0	0
H	191	Perform ephemeris update procedures	7	0	11	0	6	0	0	0	0	0
H	197	Perform satellite mission control systems (SMCS) key loading procedures	4	6	7	3	3	9	0	0	0	0
H	198	Perform single-channel transponder (SCT) procedures	7	0	14	0	3	0	0	0	0	0

D T Y	Tsk Nbr	Task Title	ANG TOT	AFRC TOT	ANG 5	AFRC 5	ANG 7	AFRC 7	ANG 9	AFRC 9
H	199	Perform spot beam procedures	6	1	7	0	6	2	0	0
H	200	Perform terminal control procedures	10	1	14	3	9	0	0	0
H	201	Perform terminal initialization procedures	10	0	14	0	9	0	0	0
H	202	Perform Time Distribution Subsystem(TDS) or Time Distribution Subsystem Preprocessor(TDSPP) procedures	7	1	11	0	6	2	0	0
H	206	Set up or tear down Milstar networks	7	2	11	6	6	0	0	0
H	207	Set up or tear down Milstar PTP calls	6	1	7	3	6	0	0	0

0255   9.2.3.   Computer interface   A   B   C

D T Y	Tsk Nbr	Task Title	ANG TOT	AFRC TOT	ANG 5	AFRC 5	ANG 7	AFRC 7	ANG 9	AFRC 9
A	4	Connect or disconnect computer equipment	54	72	64	69	46	72	50	100
B	51	Configure terminals for slave-to-master operations	7	7	14	9	3	6	0	0
E	122	Identify digital electronic switches (DES) malfunctions	6	7	11	0	3	13	0	0
E	123	Identify DMS malfunctions	7	9	11	6	3	13	17	0
G	152	Configure consoles or terminals for secure or nonsecure voice or data communications	26	29	21	26	26	34	50	0

0256   9.2.4.   SCOPE Command   A   B   -

D T Y	Tsk Nbr	Task Title	ANG TOT	AFRC TOT	ANG 5	AFRC 5	ANG 7	AFRC 7	ANG 9	AFRC 9
B	38	Configure consoles for back-to-back operations	14	5	14	6	14	4	17	0
C	69	Operate or maintain recording devices	13	13	21	3	6	21	17	0
D	97	Perform conference call procedures	12	16	14	11	9	21	17	0
D	98	Perform contingency alternate routing procedures	10	15	7	9	14	21	0	0
D	117	Reset EAM alarms	7	9	14	6	3	13	0	0
E	120	Identify console malfunctions	12	14	18	17	6	13	17	0
E	122	Identify digital electronic switches (DES) malfunctions	6	7	11	0	3	13	0	0
F	151	Review flying schedules	29	28	4	23	37	32	100	20
G	152	Configure consoles or terminals for secure or nonsecure voice or data communications	26	29	21	26	26	34	50	0
G	159	Establish communications links with command centers	14	32	21	37	6	30	33	20

0257   9.2.5.   Automatic Link Establishment (ALE)   A   B   -

0258   9.2.6.   Secure telephone equipment (STE)   A   -   -

D T Y	Tsk Nbr	Task Title	ANG TOT	AFRC TOT	ANG 5	AFRC 5	ANG 7	AFRC 7	ANG 9	AFRC 9
E	133	Identify telephone malfunctions	17	37	11	26	23	47	17	20

D T Tsk Y Nbr	Task Title	A	B		ANG TOT	AFRC TOT	ANG 5	AFRC 5	ANG 7	AFRC 7	ANG 9	AFRC 9
0259	9.2.7. International Maritime Satellite (IMARSAT)	A	B	-								
A 22	Set up mobile international maritime satellite (INMARSAT) equipment				12	30	25	31	3	30	0	20
0260	10. MISSION PLANNING											
0261	10.1. Purpose	-	-	B								
0262	10.2. Assess Mission Requirements											
0263	10.2.1. Existing capabilities	-	-	2b								
0264	10.2.2. Resources	-	-	2b								
H 203 I 231	Prepare images using communication planning tools Request permanent frequency changes				9 13	2 26	11 7	3 20	9 17	2 32	0 17	0 20
0265	10.2.3. Shortfalls	-	-	2b								
0266	10.2.4. Capabilities for interoperability	-	-	2b								

D T Tsk Y Nbr	Task Title	ANG AFRC TOT TOT		ANG 5	AFRC 5	ANG 7	AFRC 7	ANG 9	AFRC 9
0267	10.2.5. Security requirements and vulnerabilities		- - 2b						
A 17	Set up controlled safety or security areas	35	60	36	63	29	60	67	40
0268	11. EQUIPMENT OPERATIONS (i.e. HF/SAT)								
0269	11.1. Configure Equipment		2b - -						
A 2	Connect or disconnect antennas to radio equipment	65	75	89	77	54	74	17	60
A 3	Connect or disconnect commercial power supplies	39	46	50	31	34	53	17	80
A 7	Install grounding systems	33	60	36	66	34	57	17	40
A 9	Preset dual-tone multifrequency (DTMF) controlled receivers or transmitters	10	17	18	17	6	19	0	0
A 12	Select back-up receivers or transmitters	29	38	43	31	20	47	17	0
A 14	Select transmit power	33	41	43	37	31	47	0	20
A 19	Set up high frequency (HF), very high frequency (VHF), ultrahigh frequency (UHF), or extremely high frequency (EHF) mobile satellite antennas	49	64	61	69	46	66	17	20
A 23	Set up mobile HF, VHF, UHF, or EHF satellite transceivers	35	57	43	60	31	60	17	20
A 26	Set up radio equipment	52	74	61	77	51	74	17	40
A 27	Set up or operate auxiliary generators, such as fixed, mobile, or transportable	22	51	21	46	23	55	17	40
A 29	Tune receivers, transceivers, or transmitters	46	52	54	49	49	57	0	20
A 32	Verify or load equipment presets	36	55	46	49	29	66	33	0
B 34	Change receiver, transceiver, or transmitter frequencies manually or by remote control	32	55	36	51	34	60	0	40
B 36	Configure ancillary equipment for operations	14	33	14	29	17	40	0	0
B 37	Configure computers for data operations	28	41	39	43	17	40	33	40
B 38	Configure consoles for back-to-back operations	14	5	14	6	14	4	17	0
B 39	Configure consoles for clear voice operations	16	16	18	17	14	17	17	0
B 40	Configure consoles for switchboard dial code operations	3	1	7	3	0	0	0	0
C 68	Inspect communications equipment cables or cable connections	38	57	39	49	37	66	33	40
C 70	Perform operational checks of ancillary equipment	16	36	11	29	20	45	17	0
C 71	Perform operational checks of radio systems	42	61	54	66	37	60	17	40
E 128	Identify LMR malfunctions	23	48	25	40	20	57	33	20
E 129	Identify LMR repeater malfunctions	9	34	7	34	11	38	0	0
E 131	Identify receiver, transceiver, or transmitter malfunctions	20	45	14	43	29	47	0	40

D T Tsk Y Nbr	Task Title	ANG TOT	AFRC TOT	ANG 5	AFRC 5	ANG 7	AFRC 7	ANG 9	AFRC 9
H 179	Configure Milstar terminals as antenna, communication, or net control	6	6	11	9	3	4	0	0
H 180	Configure Milstar terminals as beam management terminals	6	1	11	3	3	0	0	0
H 181	Configure Milstar terminals for DAMA operations	6	3	11	9	3	0	0	0
H 182	Establish or modify EHF acquisitions or log on parameters	6	0	11	0	3	0	0	0
H 183	Initiate bit procedures or tests	12	13	14	6	11	17	0	20
H 184	Log on or off Milstar networks or satellites	6	3	7	6	6	2	0	0
H 204	Set up baseband equipment	7	5	7	0	9	9	0	0

0270   11.2. Antenna Construction

0271   11.2.1. Siting (e.g. GPS)   2b   -   -

A 16	Set up antenna masts	61	68	82	69	51	70	17	40
A 17	Set up controlled safety or security areas	35	60	36	63	29	60	67	40
A 28	Site radio antennas or equipment	45	61	57	60	43	64	0	40
H 196	Perform Position Lightweight Global Positioning System Receiver (PLGR) procedures	9	3	14	3	6	4	0	0

0272   11.2.2. Assemble antenna mast   2b   -   -

A 16	Set up antenna masts	61	68	82	69	51	70	17	40

0273   11.2.3. Configure tactical antenna system (i.e.   2b   -   -
Dipole, slopping Vee)

A 1	Connect or disconnect antenna couplers	57	72	79	69	49	74	0	80
A 2	Connect or disconnect antennas to radio equipment	65	75	89	77	54	74	17	60
A 6	Cut antenna lengths	17	41	21	37	17	47	0	20
A 7	Install grounding systems	33	60	36	66	34	57	17	40
B 59	Reconfigure antennas	42	52	50	51	43	53	0	40

0274   11.2.4. Antenna Orientation   2b   -   -

A 10	Rotate antennas using radio dial codes or azimuth control boxes	14	23	29	23	6	26	0	0

D T Tsk Y Nbr	Task Title		ANG AFRC TOT TOT		ANG 5	AFRC 5	ANG 7	AFRC 7	ANG 9	AFRC 9
A 11	Select antennas using antenna matrix systems or patch panels		7	13	11	9	3	17	17	0
B 33	Adjust antenna tuning units		25	33	36	29	20	40	0	0
0275	11.3. M/Hop Operations	A	-	-						
B 50	Configure terminals for multiple-hop operations		10	16	18	17	3	17	17	0
0276	11.4. Configure Equipment for Phone Patching									
A 24	Set up patch panels		9	6	18	3	3	9	0	0
A 25	Set up phone patch equipment		17	16	18	6	20	26	0	0
B 42	Configure consoles or terminals for phone patch operations		9	9	14	6	6	13	0	0
B 55	Configure transceivers for phone patch operations		13	16	7	6	20	26	0	0
B 58	Configure transportable switchboard or telephone equipment for phone patch, secure voice data, or switchboard dial code operations		9	10	11	11	9	11	0	0
0277	11.4.1. Manual	2b	-	-						
D 85	Conduct phone patches automatically or manually		19	16	11	6	26	26	17	0
0278	11.4.2. Voice Operated Transmitter (VOX)	2b	-	-						
D 85	Conduct phone patches automatically or manually		19	16	11	6	26	26	17	0
0279	11.5. Monitor Frequencies/Circuits	2b	-	-						
D 85	Conduct phone patches automatically or manually		19	16	11	6	26	26	17	0
I 226	Monitor frequencies for interference among users		14	30	18	31	11	30	17	20
0280	11.6. Computer Familiarization									

D T Tsk Y Nbr	Task Title	ANG AFRC TOT TOT		ANG 5	AFRC 5	ANG 7	AFRC 7	ANG 9	AFRC 9
0281	11.6.1. Use Windows								
0282	11.6.2. Use Microsoft Word								
0283	11.6.3. Input and output devices								
0284	11.6.3.1. Use printers								
B 46	Configure line printers	12	32	7	29	11	38	33	0
C 61	Change paper in high-speed printers	36	46	25	49	43	43	50	60
C 64	Clean printers	26	40	25	31	17	47	83	40
E 127	Identify line printer malfunctions	16	33	14	29	14	36	33	40
0285	11.6.3.2. Use monitors								
0286	11.6.3.3. Use keyboard								
0287	11.6.3.4. Use mouse								
0288	11.6.3.5. Modem								
G 153	Configure modems for narrowband operations	10	14	11	14	11	15	0	0

D T Tsk Y Nbr	Task Title		ANG TOT	AFRC TOT	ANG 5	AFRC 5	ANG 7	AFRC 7	ANG 9	AFRC 9
0289	11.6.3.6. Fax	- -								
A 18	Set up facsimile transmission equipment		20	38	11	37	23	40	50	20
B 44	Configure facsimile equipment		13	32	7	31	14	34	33	20
C 63	Clean facsimile equipment		14	26	11	23	11	28	50	40
E 124	Identify facsimile equipment malfunctions		16	30	11	31	17	30	33	20
0290	11.6.4. Electronic mail (e-mail)	- -								
0291	12. NETWORKS									
0292	12.1. Fundamentals	A - -								
0293	12.2. Types	A - -								
0294	12.2.1. NIPERNET	A - -								
I 208	Brief personnel on Non-secure Internet Protocol Routing Network (NIPRNET) or Secure Internet Protocol Routing Network (SIPRNET) usage		17	18	0	9	26	28	50	0
0295	12.2.2. SIPERNET	A - -								
I 208	Brief personnel on Non-secure Internet Protocol Routing Network (NIPRNET) or Secure Internet Protocol Routing Network (SIPRNET) usage		17	18	0	9	26	28	50	0

D T Tsk Y Nbr	Task Title	A	B	-	ANG TOT	AFRC TOT	ANG 5	AFRC 5	ANG 7	AFRC 7	ANG 9	AFRC 9
0296	12.2.3. Radio net											
A 20	Set up land mobile radio (LMR) networks				19	45	25	49	17	47	0	0
A 21	Set up LMR repeater networks				10	33	21	31	3	38	0	0
A 31	Verify radio nets for tactical or nontactical radios				26	52	25	54	29	55	17	0
D 98	Perform contingency alternate routing procedures				10	15	7	9	14	21	0	0
G 177	Transfer computer data using secure voice communications networks				16	32	25	29	11	38	0	0
H 184	Log on or off Milstar networks or satellites				6	3	7	6	6	2	0	0
0297	12.2.4. Demand Assigned Multiple Access (DAMA)	A	B	-								
B 47	Configure radios for demand assigned multiple access (DAMA) operations				20	40	18	37	26	45	0	20
H 181	Configure Milstar terminals for DAMA operations				6	3	11	9	3	0	0	0
H 188	Perform DAMA procedures				25	24	29	23	26	28	0	0
0298	13. WORKCENTER MANAGEMENT											
0299	13.1. Manpower	-	-	B								
0300	13.2. Manpower Requirements Qualification	-	-	B								
0301	13.3. Financial Resources	-	-	B								
0302	14. COMBAT CREW COMMUNICATIONS											

D T Tsk Y Nbr	Task Title				ANG TOT	AFRC TOT	ANG 5	AFRC 5	ANG 7	AFRC 7	ANG 9	AFRC 9
0303	14.1. Single Integrated Operations Plan (SIOP)											
0304	14.1.1. Define SIOP	A	A	-								
0305	14.2. Recognize Communication Kits											
0306	14.2.1. SIOP	A	B	-								
F 135	Assemble, issue, retrieve, or break down daily training communication kits				39	43	14	46	49	40	100	40
F 136	Assemble, issue, retrieve, or break down exercise or contingency conventional communication kits				35	40	11	37	43	40	100	60
F 137	Assemble, issue, retrieve, or break down single integrated operations plan (SIOP) communication kits				35	26	7	23	46	30	100	20
F 138	Assemble, issue, retrieve, or update flight information publication (FLIP) bags				23	29	7	26	29	32	67	20
0307	14.2.2. Exercise	A	B	-								
F 135	Assemble, issue, retrieve, or break down daily training communication kits				39	43	14	46	49	40	100	40
F 136	Assemble, issue, retrieve, or break down exercise or contingency conventional communication kits				35	40	11	37	43	40	100	60
F 138	Assemble, issue, retrieve, or update flight information publication (FLIP) bags				23	29	7	26	29	32	67	20
F 141	Conduct exercise or contingency briefings or debriefings				26	31	7	20	29	36	100	60
0308	14.2.3. Contingency	A	B	-								
F 135	Assemble, issue, retrieve, or break down daily training communication kits				39	43	14	46	49	40	100	40
F 136	Assemble, issue, retrieve, or break down exercise or contingency conventional communication kits				35	40	11	37	43	40	100	60

D T Tsk Y Nbr	Task Title				ANG TOT	AFRC TOT	ANG 5	AFRC 5	ANG 7	AFRC 7	ANG 9	AFRC 9
F 138	Assemble, issue, retrieve, or update flight information publication (FLIP) bags				23	29	7	26	29	32	67	20
F 141	Conduct exercise or contingency briefings or debriefings				26	31	7	20	29	36	100	60
0309	14.3. Recognize Channelization Plan	A	B	-								
0310	14.4. Describe Identification Friend or Foe (IFF)/Selective Identification Feature (SIF)	A	B	-								
F 142	Conduct SIOP or safe passage communications training				30	25	7	17	37	32	100	20
F 147	Issue, load, or retrieve cryptographic equipment				48	45	14	43	69	45	83	60
F 148	Issue or retrieve Identification Friend or Foe (IFF) or Special Identification Feature (SIF) codes				30	24	4	23	43	26	83	20
0311	14.5. Strategic Aircraft Reconstitution Team (SART)											
0312	14.5.1. Define Bomber SART (B-SART)	A	-	-								
0313	14.5.2. Define Reconnaissance Support Team (R-SART)	A	-	-								
0314	14.5.3. Define Tanker SART (T-SART)	A	-	-								
0315	14.6. Define POLO HAT	A	-	-								

D T Y	Tsk Nbr	Task Title	ANG TOT	AFRC TOT	ANG 5	AFRC 5	ANG 7	AFRC 7	ANG 9	AFRC 9
0316	14.7.	Define Combat Mission Folder (CMF) A - -								
	F 143	Construct or maintain combat mission folders (CMFs)	26	22	7	17	31	26	83	20
0317	14.8.	Describe Aircraft Generation - A -								
0318	14.9.	Define DEFCONS A - -								
0319		Tasks not referenced								
B	52	Configure transceivers for back-to-back operations	9	5	7	9	11	2	0	0
B	53	Configure transceivers for clear or secure voice operations	30	43	32	37	26	51	50	0
B	57	Configure transceivers for switchboard dial code operations	1	1	4	3	0	0	0	0
C	65	Clean radio equipment filters	20	43	21	29	23	53	0	40
C	74	Replace radio system components, such as bulbs or fuses	19	46	14	34	23	55	17	40
E	119	Identify computer equipment malfunctions	38	45	32	40	43	49	33	40
E	125	Identify fixed, mobile, or transportable generator malfunctions	13	39	14	34	14	43	0	40
I	217	Initiate requests for temporary duty (TDY) orders	23	39	11	31	26	45	67	40
I	225	Maintain or update status indicators, such as boards, graphs, or charts	19	24	4	11	23	34	67	20
J	245	Coordinate maintenance of equipment with appropriate agencies	33	33	18	23	40	40	67	40
J	246	Develop equipment checklists	39	46	29	34	40	57	83	20
J	247	Evaluate serviceability of equipment, tools, parts, or supplies	28	49	21	43	29	55	50	40
J	248	Identify and report equipment or supply problems	42	54	29	43	49	64	67	40
J	249	Initiate requisitions for equipment, tools, parts, or supplies	28	38	14	29	31	43	67	60
J	250	Inventory equipment, tools, parts, or supplies	49	55	39	46	51	64	83	40
J	251	Issue or log turn-ins of equipment, tools, parts, or supplies	25	38	14	34	31	38	33	60
J	252	Maintain documentation on items requiring periodic inspections or calibrations	19	33	11	31	20	36	50	20
J	253	Maintain organizational equipment or supply records	16	36	11	31	14	40	50	20

D T Y Tsk Nbr	Task Title	ANG TOT	AFRC TOT	ANG 5	AFRC 5	ANG 7	AFRC 7	ANG 9	AFRC 9
J 254	Pick up, deliver, or store equipment, tools, parts, or supplies	25	46	21	40	23	51	50	40
J 255	Research supply requisition data, such as supply catalogs or master cross-reference listings (MCRLs)	9	15	7	3	6	23	33	20
J 256	Validate supply transaction listings or rosters, such as D-04, D-18, or M-30	4	7	4	3	3	9	17	20
K 257	Assign personnel to mobility or contingency positions	10	16	7	3	6	23	50	40
K 258	Brief deploying personnel	30	37	11	20	37	49	83	40
K 259	Complete hazardous cargo shipping documents	17	29	11	23	20	30	33	60
K 260	Complete operations plan (OPLAN) sourcing requirements	17	15	11	9	14	19	67	20
K 261	Compute OPLAN requirements status listings	10	13	0	6	9	17	67	20
K 262	Conduct contingency operation/mobility planning and execution system (COMPES) programs	7	10	0	3	6	17	50	0
K 263	Conduct mobility or deployment site surveys	14	32	4	23	17	40	50	20
K 264	Coordinate deployment of personnel with other MAJCOMs or joint service commands	9	10	4	3	6	17	50	0
K 265	Coordinate exercise sourcing requirements with functional managers	7	14	4	9	3	19	50	0
K 266	Coordinate mobility or contingency requirements with appropriate agencies	9	15	4	9	6	19	50	20
K 267	Coordinate specific source of personnel requirements with appropriate agencies	9	16	7	11	3	21	50	0
K 268	Determine cost factors for support agreements	3	6	4	0	3	11	0	0
K 269	Determine specific source of personnel requirements for deployment manning documents	4	8	4	6	3	11	17	0
K 270	Develop contingency exercise mobility (CEM) orders	4	7	4	0	6	13	0	0
K 271	Develop mobility inspection checklists	17	28	14	14	14	36	50	40
K 272	Dispatch mobile radio units	6	26	4	20	6	32	17	20
K 273	Don or doff chemical warfare personal protective clothing	52	63	14	46	74	77	100	60
K 274	Erect tents	38	61	32	49	46	70	17	60
K 275	Inspect mobility bags or kits	57	55	39	43	69	62	67	80
K 276	Inspect packed or palletized mobility or contingency equipment prior to transport	30	41	11	23	49	49	17	100
K 277	Maintain accountability of personnel selected to fill OPLAN requirements	17	16	4	6	23	23	50	20
K 278	Maintain base OPLAN files	12	15	4	9	11	19	50	20
K 279	Maintain disaster preparedness checklists	20	22	11	20	20	23	67	20
K 280	Pack or palletize mobility or contingency equipment for shipment or movement	29	46	11	29	43	55	33	80
K 281	Perform camouflage procedures	32	53	18	46	46	60	17	40
K 282	Perform chemical warfare agent decontamination procedures	36	56	18	49	49	64	50	40
K 283	Perform disease or pestilence countermeasures	17	30	11	34	23	30	17	0
K 284	Perform explosive ordnance reconnaissance	16	43	7	31	17	53	50	20
K 285	Perform plans file and mobility file matches	6	14	4	11	3	17	33	0
K 286	Perform predeployment reconnaissance surveys	7	15	4	6	3	21	50	20
K 287	Perform safety measures by marking radiation hazards or antenna systems	23	46	18	40	29	51	17	40
K 288	Perform or set up site security	23	48	21	46	20	53	50	20

'AFOMS (AETC) Randolph AFB TX'

D T Y	Tsk Nbr	Task Title	ANG TOT	AFRC TOT	ANG 5	AFRC 5	ANG 7	AFRC 7	ANG 9	AFRC 9
K	289	Prepare equipment for deployments	46	64	25	57	54	70	100	60
K	290	Prepare hazardous cargo for deployment	26	34	18	23	29	40	50	60
K	291	Prepare sites at deployed locations, such as cutting grass or removing snow	14	26	14	26	11	28	33	20
K	292	Process classified or COMSEC materials or documents at deployed locations	54	62	21	51	71	70	100	60
K	293	Request or distribute mobility requirements documents	14	16	11	11	9	19	67	20
K	294	Set up or tear down shelters	30	47	21	40	40	55	17	20
K	295	Tear down, inspect, clean, and reassemble weapons, such as M-16 rifles	45	60	36	46	51	72	50	40
L	296	Administer or score tests	19	24	4	6	26	36	50	40
L	297	Brief personnel concerning training programs or matters	33	40	7	17	49	57	67	40
L	298	Complete student entry or withdrawal forms	12	14	4	3	17	21	17	20
L	299	Conduct formal course classroom training	19	26	7	17	23	32	50	40
L	307	Establish or maintain study reference files	23	22	14	6	23	32	67	40
L	313	Personalize lesson plans	23	28	0	11	31	34	83	80
L	315	Write training reports	17	21	11	3	17	30	50	60
M	316	Annotate time and attendance sheets for civilian employees	10	8	7	0	9	15	33	0
M	317	Assign personnel to work areas or duty positions	14	30	0	9	23	45	33	40
M	318	Assign sponsors for newly assigned personnel	14	17	4	3	20	30	33	0
M	319	Conduct general meetings, such as staff meetings, briefings, conferences, or workshops	25	30	7	20	31	36	67	40
M	320	Conduct safety inspections of equipment or facilities	16	30	7	17	23	40	17	20
M	321	Conduct self-inspections or self-assessments	32	38	18	26	34	49	83	20
M	322	Conduct staff assistance visits, inspections, or audits	14	13	7	3	14	19	50	20
M	323	Conduct supervisory orientations for newly assigned personnel	22	30	7	6	29	49	50	20
M	324	Conduct supervisory performance feedback sessions	19	28	7	6	23	45	50	20
M	325	Counsel subordinates concerning personal matters	29	25	7	6	43	40	50	20
M	326	Determine or establish logistics requirements, such as personnel, equipment, tools, parts, supplies, or workspace	22	26	7	23	26	30	67	20
M	327	Determine or establish work assignments or priorities	22	31	4	14	23	43	100	40
M	328	Develop inputs to mobility, contingency, disaster preparedness, or unit emergency or alert plans	19	18	7	11	20	23	67	20
M	329	Develop organizational or functional charts	13	11	7	0	11	19	50	20
M	330	Develop resource protection programs	6	13	0	3	3	19	50	20
M	331	Develop self-inspection or self-assessment program checklists	16	15	4	3	17	23	67	20
M	332	Develop or establish work methods, procedures or schedules	29	22	14	6	29	32	100	40
M	333	Direct operations of field or ground radio stations	14	29	11	20	17	34	17	40
M	334	Draft budget requirements	7	9	4	0	3	15	50	20
M	335	Draft host-tenant or interservice agreements	7	6	7	0	6	11	17	0
M	336	Draft supplements or changes to communications publications	7	6	4	0	9	11	17	0

D T Tsk Y Nbr	Task Title	ANG TOT	AFRC TOT	ANG 5	AFRC 5	ANG 7	AFRC 7	ANG 9	AFRC 9
M 337	Draft supplements or changes to directives, such as policy directives, instructions, or manuals, other than communications publications	10	6	7	0	11	11	17	0
M 338	Establish COMSEC subaccounts	14	15	11	6	14	23	33	0
M 339	Establish organizational policies, such as operating instructions (OIs) or standard operating procedures (SOPs)	25	21	7	6	26	30	100	40
M 340	Establish performance standards for subordinates	23	20	7	9	26	28	83	20
M 341	Evaluate communications operations	28	29	18	23	34	36	33	0
M 342	Evaluate inspection report findings or inspection procedures	17	20	7	9	17	30	67	0
M 343	Evaluate job hazards or compliance with Air Force Occupational Safety and Health (AFOSH) program	22	25	4	17	26	32	83	20
M 344	Evaluate maintenance or utilization of equipment, tools, parts, supplies, or workspace	22	18	11	9	23	28	67	0
M 345	Evaluate modified, new, or prototype equipment	16	16	7	11	14	21	67	0
M 346	Evaluate personnel for compliance with performance standards	28	21	14	9	29	30	83	20
M 347	Evaluate personnel for promotion, demotion, reclassification, or special awards	28	24	11	3	31	40	83	20
M 348	Implement safety or security programs	20	23	7	11	23	32	67	20
M 349	Implement status of resources and training system (SORTS) programs	4	6	4	0	3	11	17	0
M 350	Initiate actions required due to substandard performance of personnel	19	15	4	3	26	21	50	40
M 351	Initiate personnel action requests	17	15	4	3	20	21	67	40
M 352	Inspect personnel for compliance with military standards	33	25	7	9	46	36	83	40
M 353	Interpret policies, directives, or procedures for subordinates	29	24	4	11	40	34	83	20
M 354	Investigate accidents or incidents	12	17	4	9	9	23	67	20
M 355	Perform as liaison to communications centers or spectrum managers for spectrum interference actions	9	14	4	9	9	17	33	20
M 356	Plan communications support for exercises or special missions	19	24	7	9	17	36	83	20
M 357	Plan equipment replacement programs	9	14	4	3	9	21	33	20
M 358	Plan layouts of facilities	10	14	4	3	9	21	50	20
M 359	Plan personnel or equipment deployments	13	18	0	3	14	30	67	20
M 360	Review budget requirements	9	8	7	0	0	13	67	20
M 361	Review drafts of supplements or changes to directives, such as policy directives, instructions, or manuals	14	11	4	9	14	13	67	20
M 362	Review mobility, contingency, disaster preparedness, or unit emergency or alert plans	16	18	4	17	14	21	83	0
M 363	Schedule personnel for TDY assignments, leaves, or passes	19	15	7	0	17	26	83	20
M 364	Write inspection reports	6	10	4	0	3	17	33	20
M 365	Write job or position descriptions	17	15	7	6	17	21	67	20
M 366	Write or indorse civilian performance appraisals	1	9	0	0	0	15	17	20
M 367	Write or indorse military performance reports	14	28	4	6	14	38	67	80
M 368	Write recommendations for awards or decorations	26	28	11	3	31	43	67	60

D T Tsk Y Nbr	Task Title	ANG TOT	AFRC TOT	ANG 5	AFRC 5	ANG 7	AFRC 7	ANG 9	AFRC 9
M 369	Write replies to inspection reports	14	18	7	3	9	30	83	20
M 370	Write staff studies, surveys, or routine reports, other than training or inspection reports	7	10	4	3	6	15	33	20

Radio Communications Systems
Reported AFSC(s): 3C1X1

----- Variable/Group Distributions -----

The percent of reported group members who use, maintain or operate
various types of equipment are presented under the column headings for
the appropriate group. This percent using, maintaining, or operating
equipment may be valuable in determining the relevancy of training and
testing on or about these types of equipment.

Reports on the following groups were requested:

gp0012: All Air Guard Airmen with DAFSC 3C1X1   (n =   69)
gp0013: All Air Guard Airmen with DAFSC 3C151   (n =   28)
gp0014: All Air Guard Airmen with DAFSC 3C171   (n =   35)
gp0015: All Air Guard Airmen with DAFSC 3C191   (n =   6)

V0102 Fixed communication sys use/oper - None

	ANG TOTAL SAMPLE gp0012	5-LVL gp0013	7-LVL gp0014	9-LVL gp0015
Interval Percentages				
Yes	64 %	39 %	80 %	83 %
Other:	36 %	61 %	20 %	17 %
Total in group:	69*	28*	35*	6*

V0103 Fixed communication sys use/oper - AFSATCOM

	ANG TOTAL SAMPLE gp0012	5-LVL gp0013	7-LVL gp0014	9-LVL gp0015
Interval Percentages				
Yes	4 %	11 %	0 %	0 %
Other:	96 %	89 %	100 %	100 %
Total in group:	69*	28*	35*	6*

varsum   Background info - 3C1X1 ANG Equip DAFSC Groups   VS0016

V0104 Fixed communication sys use/oper - Global HF Systems

	ANG TOTAL SAMPLE gp0012	5-LVL gp0013	7-LVL gp0014	9-LVL gp0015
Interval Percentages				
Yes	10 %	18 %	6 %	0 %
Other:	90 %	82 %	94 %	100 %
Total in group:	69*	28*	35*	6*

V0105 Fixed communication sys use/oper - Global Weather Intercept Program (GWIP)

	ANG TOTAL SAMPLE gp0012	5-LVL gp0013	7-LVL gp0014	9-LVL gp0015
Interval Percentages				
Yes	0 %	0 %	0 %	0 %
Other:	100 %	100 %	100 %	100 %
Total in group:	69*	28*	35*	6*

V0106 Fixed communication sys use/oper - Milstar

	ANG TOTAL SAMPLE gp0012	5-LVL gp0013	7-LVL gp0014	9-LVL gp0015
Interval Percentages				
Yes	0 %	0 %	0 %	0 %
Other:	100 %	100 %	100 %	100 %
Total in group:	69*	28*	35*	6*

V0107 Fixed communication sys use/oper - SITFAA

	ANG TOTAL SAMPLE gp0012	5-LVL gp0013	7-LVL gp0014	9-LVL gp0015
Interval Percentages				
Yes	0 %	0 %	0 %	0 %
Other:	100 %	100 %	100 %	100 %
Total in group:	69*	28*	35*	6*

V0108 Fixed communication sys use/oper - Other

	ANG TOTAL SAMPLE gp0012	5-LVL gp0013	7-LVL gp0014	9-LVL gp0015
Interval Percentages				
Yes	17 %	32 %	6 %	17 %
Other:	83 %	68 %	94 %	83 %
Total in group:	69*	28*	35*	6*

V0109 Deployable communications systems use/operate - None

	ANG TOTAL SAMPLE gp0012	5-LVL gp0013	7-LVL gp0014	9-LVL gp0015
Interval Percentages				
Yes	29 %	7 %	40 %	67 %
Other:	71 %	93 %	60 %	33 %
Total in group:	69*	28*	35*	6*

V0110 Deployable communications systems use/operate - AFSATCOM

	ANG TOTAL SAMPLE gp0012	5-LVL gp0013	7-LVL gp0014	9-LVL gp0015
Interval Percentages				
Yes	17 %	18 %	20 %	0 %
Other:	83 %	82 %	80 %	100 %
Total in group:	69*	28*	35*	6*

V0111 Deployable communications systems use/operate - HF Mobile Systems

	ANG TOTAL SAMPLE gp0012	5-LVL gp0013	7-LVL gp0014	9-LVL gp0015
Interval Percentages				
Yes	36 %	39 %	40 %	0 %
Other:	64 %	61 %	60 %	100 %
Total in group:	69*	28*	35*	6*

varsum   Background info - 3C1X1 ANG Equip DAFSC Groups   VS0016

V0112 Deployable communications systems use/operate - Milstar

	ANG TOTAL SAMPLE gp0012	5-LVL gp0013	7-LVL gp0014	9-LVL gp0015
Interval Percentages				
Yes	1 %	4 %	0 %	0 %
Other:	99 %	96 %	100 %	100 %
Total in group:	69*	28*	35*	6*

V0113 Deployable communications systems use/operate - MICK/WICP

	ANG TOTAL SAMPLE gp0012	5-LVL gp0013	7-LVL gp0014	9-LVL gp0015
Interval Percentages				
Yes	0 %	0 %	0 %	0 %
Other:	100 %	100 %	100 %	100 %
Total in group:	69*	28*	35*	6*

V0114 Deployable communications systems use/operate - Mystic Star

	ANG TOTAL SAMPLE gp0012	5-LVL gp0013	7-LVL gp0014	9-LVL gp0015
Interval Percentages				
Yes	0 %	0 %	0 %	0 %
Other:	100 %	100 %	100 %	100 %
Total in group:	69*	28*	35*	6*

V0115 Deployable communications systems use/operate - Special Operations

	ANG TOTAL SAMPLE gp0012	5-LVL gp0013	7-LVL gp0014	9-LVL gp0015
Interval Percentages				
Yes	9 %	7 %	11 %	0 %
Other:	91 %	93 %	89 %	100 %
Total in group:	69*	28*	35*	6*

V0116 Deployable communications systems use/operate - Other

Interval Percentages	ANG TOTAL SAMPLE gp0012	5-LVL gp0013	7-LVL gp0014	9-LVL gp0015
Yes	26 %	43 %	11 %	33 %
Other:	74 %	57 %	89 %	67 %
Total in group:	69*	28*	35*	6*

V0117 Frequency bands use - None

Interval Percentages	ANG TOTAL SAMPLE gp0012	5-LVL gp0013	7-LVL gp0014	9-LVL gp0015
Yes	28 %	4 %	40 %	67 %
Other:	72 %	96 %	60 %	33 %
Total in group:	69*	28*	35*	6*

V0118 Frequency bands use - HF

Interval Percentages	ANG TOTAL SAMPLE gp0012	5-LVL gp0013	7-LVL gp0014	9-LVL gp0015
Yes	49 %	46 %	54 %	33 %
Other:	51 %	54 %	46 %	67 %
Total in group:	69*	28*	35*	6*

V0119 Frequency bands use - Very High Frequency (VHF)

Interval Percentages	ANG TOTAL SAMPLE gp0012	5-LVL gp0013	7-LVL gp0014	9-LVL gp0015
Yes	29 %	29 %	29 %	33 %
Other:	71 %	71 %	71 %	67 %
Total in group:	69*	28*	35*	6*

varsum   Background info - 3C1X1 ANG Equip DAFSC Groups   VS0016

	ANG TOTAL SAMPLE gp0012	5-LVL gp0013	7-LVL gp0014	9-LVL gp0015

V0120 Frequency bands use - Ultrahigh Frequency (UHF)

Interval Percentages

	ANG TOTAL SAMPLE gp0012	5-LVL gp0013	7-LVL gp0014	9-LVL gp0015
Yes	33 %	32 %	34 %	33 %
Other:	67 %	68 %	66 %	67 %
Total in group:	69*	28*	35*	6*

V0121 Frequency bands use - Super High Frequency (SHF)

Interval Percentages

	ANG TOTAL SAMPLE gp0012	5-LVL gp0013	7-LVL gp0014	9-LVL gp0015
Yes	6 %	0 %	11 %	0 %
Other:	94 %	100 %	89 %	100 %
Total in group:	69*	28*	35*	6*

V0122 Frequency bands use - Extremely High Frequency (EHF)

Interval Percentages

	ANG TOTAL SAMPLE gp0012	5-LVL gp0013	7-LVL gp0014	9-LVL gp0015
Yes	6 %	4 %	9 %	0 %
Other:	94 %	96 %	91 %	100 %
Total in group:	69*	28*	35*	6*

V0123 Frequency bands use - Other

Interval Percentages

	ANG TOTAL SAMPLE gp0012	5-LVL gp0013	7-LVL gp0014	9-LVL gp0015
Yes	16 %	36 %	3 %	0 %
Other:	84 %	64 %	97 %	100 %
Total in group:	69*	28*	35*	6*

varsum   Background info - 3C1X1 ANG Equip DAFSC Groups   VS0016

	ANG TOTAL SAMPLE gp0012	5-LVL gp0013	7-LVL gp0014	9-LVL gp0015

V0124 Communications modes use - None

Interval Percentages

	ANG TOTAL SAMPLE gp0012	5-LVL gp0013	7-LVL gp0014	9-LVL gp0015
Yes	22 %	4 %	29 %	67 %
Other:	78 %	96 %	71 %	33 %
Total in group:	69*	28*	35*	6*

V0125 Communications modes use - Amplitude Modulation (AM)

Interval Percentages

	ANG TOTAL SAMPLE gp0012	5-LVL gp0013	7-LVL gp0014	9-LVL gp0015
Yes	20 %	25 %	20 %	0 %
Other:	80 %	75 %	80 %	100 %
Total in group:	69*	28*	35*	6*

V0126 Communications modes use - Data Transmission

Interval Percentages

	ANG TOTAL SAMPLE gp0012	5-LVL gp0013	7-LVL gp0014	9-LVL gp0015
Yes	35 %	39 %	31 %	33 %
Other:	65 %	61 %	69 %	67 %
Total in group:	69*	28*	35*	6*

V0127 Communications modes use - Demand Assigned Multiple Access (DAMA)

Interval Percentages

	ANG TOTAL SAMPLE gp0012	5-LVL gp0013	7-LVL gp0014	9-LVL gp0015
Yes	29 %	32 %	31 %	0 %
Other:	71 %	68 %	69 %	100 %
Total in group:	69*	28*	35*	6*

varsum   Background info - 3C1X1 ANG Equip DAFSC Groups   VS0016

V0128 Communications modes use - Frequency Modulation (FM)

	ANG TOTAL SAMPLE gp0012	5-LVL gp0013	7-LVL gp0014	9-LVL gp0015
Interval Percentages				
Yes	29 %	39 %	26 %	0 %
Other:	71 %	61 %	74 %	100 %
Total in group:	69*	28*	35*	6*

V0129 Communications modes use - Have Quick

	ANG TOTAL SAMPLE gp0012	5-LVL gp0013	7-LVL gp0014	9-LVL gp0015
Interval Percentages				
Yes	19 %	14 %	20 %	33 %
Other:	81 %	86 %	80 %	67 %
Total in group:	69*	28*	35*	6*

V0130 Communications modes use - Independent Sideband (ISB)

	ANG TOTAL SAMPLE gp0012	5-LVL gp0013	7-LVL gp0014	9-LVL gp0015
Interval Percentages				
Yes	19 %	21 %	20 %	0 %
Other:	81 %	79 %	80 %	100 %
Total in group:	69*	28*	35*	6*

V0131 Communications modes use - Lower Sideband (LSB)

	ANG TOTAL SAMPLE gp0012	5-LVL gp0013	7-LVL gp0014	9-LVL gp0015
Interval Percentages				
Yes	22 %	25 %	20 %	17 %
Other:	78 %	75 %	80 %	83 %
Total in group:	69*	28*	35*	6*

varsum   Background info - 3C1X1 ANG Equip DAFSC Groups   VS0016

V0132 Communications modes use - Milstar Waveform

	ANG TOTAL SAMPLE gp0012	5-LVL gp0013	7-LVL gp0014	9-LVL gp0015
Interval Percentages				
Yes	0 %	0 %	0 %	0 %
Other:	100 %	100 %	100 %	100 %
Total in group:	69*	28*	35*	6*

V0133 Communications modes use - Single Sideband (SSB)

	ANG TOTAL SAMPLE gp0012	5-LVL gp0013	7-LVL gp0014	9-LVL gp0015
Interval Percentages				
Yes	36 %	43 %	34 %	17 %
Other:	64 %	57 %	66 %	83 %
Total in group:	69*	28*	35*	6*

V0134 Communications modes use - Upper Sideband (USB)

	ANG TOTAL SAMPLE gp0012	5-LVL gp0013	7-LVL gp0014	9-LVL gp0015
Interval Percentages				
Yes	35 %	36 %	37 %	17 %
Other:	65 %	64 %	63 %	83 %
Total in group:	69*	28*	35*	6*

V0135 Communications modes use - Other

	ANG TOTAL SAMPLE gp0012	5-LVL gp0013	7-LVL gp0014	9-LVL gp0015
Interval Percentages				
Yes	20 %	32 %	14 %	0 %
Other:	80 %	68 %	86 %	100 %
Total in group:	69*	28*	35*	6*

varsum   Background info - 3C1X1 ANG Equip DAFSC Groups   VS0016

V0136 Mobile comm systems use/opr - None

	ANG TOTAL SAMPLE gp0012	5-LVL gp0013	7-LVL gp0014	9-LVL gp0015
Interval Percentages				
Yes	28 %	4 %	40 %	67 %
Other:	72 %	96 %	60 %	33 %
Total in group:	69*	28*	35*	6*

V0137 Mobile comm systems use/opr - International Maritime Satellites (INMARSAT)

	ANG TOTAL SAMPLE gp0012	5-LVL gp0013	7-LVL gp0014	9-LVL gp0015
Interval Percentages				
Yes	7 %	14 %	3 %	0 %
Other:	93 %	86 %	97 %	100 %
Total in group:	69*	28*	35*	6*

V0138 Mobile comm systems use/opr - Milstar

	ANG TOTAL SAMPLE gp0012	5-LVL gp0013	7-LVL gp0014	9-LVL gp0015
Interval Percentages				
Yes	0 %	0 %	0 %	0 %
Other:	100 %	100 %	100 %	100 %
Total in group:	69*	28*	35*	6*

V0139 Mobile comm systems use/opr - Radios, Backpack

	ANG TOTAL SAMPLE gp0012	5-LVL gp0013	7-LVL gp0014	9-LVL gp0015
Interval Percentages				
Yes	26 %	39 %	17 %	17 %
Other:	74 %	61 %	83 %	83 %
Total in group:	69*	28*	35*	6*

varsum Background info - 3C1X1 ANG Equip DAFSC Groups VS0016

V0140 Mobile comm systems use/opr - Radios, Handheld

	ANG TOTAL SAMPLE gp0012	5-LVL gp0013	7-LVL gp0014	9-LVL gp0015
Interval Percentages				
Yes	36 %	50 %	26 %	33 %
Other:	64 %	50 %	74 %	67 %
Total in group:	69*	28*	35*	6*

V0141 Mobile comm systems use/opr - Satellite Communications (SATCOM)

	ANG TOTAL SAMPLE gp0012	5-LVL gp0013	7-LVL gp0014	9-LVL gp0015
Interval Percentages				
Yes	33 %	46 %	26 %	17 %
Other:	67 %	54 %	74 %	83 %
Total in group:	69*	28*	35*	6*

V0142 Mobile comm systems use/opr - Transceivers, Portable

	ANG TOTAL SAMPLE gp0012	5-LVL gp0013	7-LVL gp0014	9-LVL gp0015
Interval Percentages				
Yes	28 %	32 %	26 %	17 %
Other:	72 %	68 %	74 %	83 %
Total in group:	69*	28*	35*	6*

V0143 Mobile comm systems use/opr - Transceivers, Vehicular

	ANG TOTAL SAMPLE gp0012	5-LVL gp0013	7-LVL gp0014	9-LVL gp0015
Interval Percentages				
Yes	7 %	7 %	6 %	17 %
Other:	93 %	93 %	94 %	83 %
Total in group:	69*	28*	35*	6*

varsum   Background info - 3C1X1 ANG Equip DAFSC Groups   VS0016

V0144 Mobile comm systems use/opr - Other

	ANG TOTAL SAMPLE gp0012	5-LVL gp0013	7-LVL gp0014	9-LVL gp0015
Interval Percentages				
Yes	19 %	39 %	6 %	0 %
Other:	81 %	61 %	94 %	100 %
Total in group:	69*	28*	35*	6*

V0145 Comm equip use/opr - None

	ANG TOTAL SAMPLE gp0012	5-LVL gp0013	7-LVL gp0014	9-LVL gp0015
Interval Percentages				
Yes	3 %	4 %	3 %	0 %
Other:	97 %	96 %	97 %	100 %
Total in group:	69*	28*	35*	6*

V0146 Comm equip use/opr - Advanced Data Controllers (ADCs)

	ANG TOTAL SAMPLE gp0012	5-LVL gp0013	7-LVL gp0014	9-LVL gp0015
Interval Percentages				
Yes	4 %	4 %	6 %	0 %
Other:	96 %	96 %	94 %	100 %
Total in group:	69*	28*	35*	6*

V0147 Comm equip use/opr - Automated Communications Management Systems (ACMSs)

	ANG TOTAL SAMPLE gp0012	5-LVL gp0013	7-LVL gp0014	9-LVL gp0015
Interval Percentages				
Yes	0 %	0 %	0 %	0 %
Other:	100 %	100 %	100 %	100 %
Total in group:	69*	28*	35*	6*

varsum   Background info - 3C1X1 ANG Equip DAFSC Groups   VS0016

V0148 Comm equip use/opr - Cellular Phones

	ANG TOTAL SAMPLE gp0012	5-LVL gp0013	7-LVL gp0014	9-LVL gp0015
Interval Percentages				
Yes	23 %	11 %	29 %	50 %
Other:	77 %	89 %	71 %	50 %
Total in group:	69*	28*	35*	6*

V0149 Comm equip use/opr - Communication Planning Tools

	ANG TOTAL SAMPLE gp0012	5-LVL gp0013	7-LVL gp0014	9-LVL gp0015
Interval Percentages				
Yes	12 %	11 %	11 %	17 %
Other:	88 %	89 %	89 %	83 %
Total in group:	69*	28*	35*	6*

V0150 Comm equip use/opr - Computer Equipment

	ANG TOTAL SAMPLE gp0012	5-LVL gp0013	7-LVL gp0014	9-LVL gp0015
Interval Percentages				
Yes	55 %	39 %	63 %	83 %
Other:	45 %	61 %	37 %	17 %
Total in group:	69*	28*	35*	6*

V0151 Comm equip use/opr - Cryptographic Equipment

	ANG TOTAL SAMPLE gp0012	5-LVL gp0013	7-LVL gp0014	9-LVL gp0015
Interval Percentages				
Yes	64 %	57 %	69 %	67 %
Other:	36 %	43 %	31 %	33 %
Total in group:	69*	28*	35*	6*

varsum   Background info - 3C1X1 ANG Equip DAFSC Groups   VS0016

V0152 Comm equip use/opr - Defense Message Systems (DMSs)

	ANG TOTAL SAMPLE gp0012	5-LVL gp0013	7-LVL gp0014	9-LVL gp0015
Interval Percentages				
Yes	10 %	7 %	6 %	50 %
Other:	90 %	93 %	94 %	50 %
Total in group:	69*	28*	35*	6*

V0153 Comm equip use/opr - Facsimile Equipment

	ANG TOTAL SAMPLE gp0012	5-LVL gp0013	7-LVL gp0014	9-LVL gp0015
Interval Percentages				
Yes	30 %	21 %	34 %	50 %
Other:	70 %	79 %	66 %	50 %
Total in group:	69*	28*	35*	6*

V0154 Comm equip use/opr - Global Positioning Satellites (GPSs)

	ANG TOTAL SAMPLE gp0012	5-LVL gp0013	7-LVL gp0014	9-LVL gp0015
Interval Percentages				
Yes	20 %	7 %	23 %	67 %
Other:	80 %	93 %	77 %	33 %
Total in group:	69*	28*	35*	6*

V0155 Comm equip use/opr - Land Mobile Radios (LMRs)

	ANG TOTAL SAMPLE gp0012	5-LVL gp0013	7-LVL gp0014	9-LVL gp0015
Interval Percentages				
Yes	35 %	39 %	29 %	50 %
Other:	65 %	61 %	71 %	50 %
Total in group:	69*	28*	35*	6*

V0156 Comm equip use/opr - LMR Repeaters

	ANG TOTAL SAMPLE gp0012	5-LVL gp0013	7-LVL gp0014	9-LVL gp0015
Interval Percentages				
Yes	17 %	21 %	17 %	0 %
Other:	83 %	79 %	83 %	100 %
Total in group:	69*	28*	35*	6*

V0157 Comm equip use/opr - Mobile Antenna Systems

	ANG TOTAL SAMPLE gp0012	5-LVL gp0013	7-LVL gp0014	9-LVL gp0015
Interval Percentages				
Yes	35 %	50 %	29 %	0 %
Other:	65 %	50 %	71 %	100 %
Total in group:	69*	28*	35*	6*

V0158 Comm equip use/opr - Printers

	ANG TOTAL SAMPLE gp0012	5-LVL gp0013	7-LVL gp0014	9-LVL gp0015
Interval Percentages				
Yes	64 %	50 %	69 %	100 %
Other:	36 %	50 %	31 %	0 %
Total in group:	69*	28*	35*	6*

V0159 Comm equip use/opr - Radio Equipment

	ANG TOTAL SAMPLE gp0012	5-LVL gp0013	7-LVL gp0014	9-LVL gp0015
Interval Percentages				
Yes	57 %	71 %	49 %	33 %
Other:	43 %	29 %	51 %	67 %
Total in group:	69*	28*	35*	6*

V0160 Comm equip use/opr - Radio Teletype Equipment

	ANG TOTAL SAMPLE gp0012	5-LVL gp0013	7-LVL gp0014	9-LVL gp0015
Interval Percentages				
Yes	14 %	21 %	11 %	0 %
Other:	86 %	79 %	89 %	100 %
Total in group:	69*	28*	35*	6*

V0161 Comm equip use/opr - Remote Monitoring Systems

	ANG TOTAL SAMPLE gp0012	5-LVL gp0013	7-LVL gp0014	9-LVL gp0015
Interval Percentages				
Yes	13 %	18 %	11 %	0 %
Other:	87 %	82 %	89 %	100 %
Total in group:	69*	28*	35*	6*

V0162 Comm equip use/opr - Satellite Communications Equipment

	ANG TOTAL SAMPLE gp0012	5-LVL gp0013	7-LVL gp0014	9-LVL gp0015
Interval Percentages				
Yes	39 %	57 %	29 %	17 %
Other:	61 %	43 %	71 %	83 %
Total in group:	69*	28*	35*	6*

V0163 Comm equip use/opr - Scanners

	ANG TOTAL SAMPLE gp0012	5-LVL gp0013	7-LVL gp0014	9-LVL gp0015
Interval Percentages				
Yes	14 %	18 %	9 %	33 %
Other:	86 %	82 %	91 %	67 %
Total in group:	69*	28*	35*	6*

varsum   Background info - 3C1X1 ANG Equip DAFSC Groups   VS0016

V0164 Comm equip use/opr - Secured Telephones

	ANG TOTAL SAMPLE gp0012	5-LVL gp0013	7-LVL gp0014	9-LVL gp0015
Interval Percentages				
Yes	52 %	29 %	63 %	100 %
Other:	48 %	71 %	37 %	0 %
Total in group:	69*	28*	35*	6*

V0165 Comm equip use/opr - Switchboard Equipment

	ANG TOTAL SAMPLE gp0012	5-LVL gp0013	7-LVL gp0014	9-LVL gp0015
Interval Percentages				
Yes	6 %	7 %	6 %	0 %
Other:	94 %	93 %	94 %	100 %
Total in group:	69*	28*	35*	6*

V0166 Comm equip use/opr - Tape Recorders

	ANG TOTAL SAMPLE gp0012	5-LVL gp0013	7-LVL gp0014	9-LVL gp0015
Interval Percentages				
Yes	1 %	4 %	0 %	0 %
Other:	99 %	96 %	100 %	100 %
Total in group:	69*	28*	35*	6*

V0167 Comm equip use/opr - Telephones

	ANG TOTAL SAMPLE gp0012	5-LVL gp0013	7-LVL gp0014	9-LVL gp0015
Interval Percentages				
Yes	62 %	43 %	71 %	100 %
Other:	38 %	57 %	29 %	0 %
Total in group:	69*	28*	35*	6*

V0168 Comm equip use/opr - Time Distribution Subsystem Preprocessors (TDSPPs)

	ANG TOTAL SAMPLE gp0012	5-LVL gp0013	7-LVL gp0014	9-LVL gp0015
Interval Percentages				
Yes	3 %	7 %	0 %	0 %
Other:	97 %	93 %	100 %	100 %
Total in group:	69*	28*	35*	6*

V0169 Comm equip use/opr - Transmission Security (TRANSEC) Equipment

	ANG TOTAL SAMPLE gp0012	5-LVL gp0013	7-LVL gp0014	9-LVL gp0015
Interval Percentages				
Yes	13 %	14 %	11 %	17 %
Other:	87 %	86 %	89 %	83 %
Total in group:	69*	28*	35*	6*

V0170 Comm equip use/opr - Other

	ANG TOTAL SAMPLE gp0012	5-LVL gp0013	7-LVL gp0014	9-LVL gp0015
Interval Percentages				
Yes	10 %	18 %	3 %	17 %
Other:	90 %	82 %	97 %	83 %
Total in group:	69*	28*	35*	6*

Radio Communications Systems
Reported AFSC(s): 3C1X1

----- Variable/Group Distributions -----

The percent of reported group members who use, maintain or operate
various types of equipment are presented under the column headings for
the appropriate group. This percent using, maintaining, or operating
equipment may be valuable in determining the relevancy of training and
testing on or about these types of equipment.

Reports on the following groups were requested:

gp0016: All Air Reserve Airmen with DAFSC 3C1X1   (n =   87)
gp0017: All Air Reserve Airmen with DAFSC 3C151   (n =   35)
gp0018: All Air Reserve Airmen with DAFSC 3C171   (n =   47)
gp0019: All Air Reserve Airmen with DAFSC 3C191   (n =   5)

V0102 Fixed communication sys use/oper - None

	AFRC TOTAL SAMPLE	5-LVL	7-LVL	9-LVL
	gp0016	gp0017	gp0018	gp0019
Interval Percentages				
Yes	69 %	63 %	72 %	80 %
Other:	31 %	37 %	28 %	20 %
Total in group:	87*	35*	47*	5*

V0103 Fixed communication sys use/oper - AFSATCOM

	AFRC TOTAL SAMPLE	5-LVL	7-LVL	9-LVL
	gp0016	gp0017	gp0018	gp0019
Interval Percentages				
Yes	13 %	14 %	13 %	0 %
Other:	87 %	86 %	87 %	100 %
Total in group:	87*	35*	47*	5*

varsum   Background info - 3C1X1 AFRC Equip DAFSC Groups   VS0017

V0104 Fixed communication sys use/oper - Global HF Systems

	AFRC TOTAL SAMPLE gp0016	5-LVL gp0017	7-LVL gp0018	9-LVL gp0019
Interval Percentages				
Yes	20 %	17 %	23 %	0 %
Other:	80 %	83 %	77 %	100 %
Total in group:	87*	35*	47*	5*

V0105 Fixed communication sys use/oper - Global Weather Intercept Program (GWIP)

	AFRC TOTAL SAMPLE gp0016	5-LVL gp0017	7-LVL gp0018	9-LVL gp0019
Interval Percentages				
Yes	0 %	0 %	0 %	0 %
Other:	100 %	100 %	100 %	100 %
Total in group:	87*	35*	47*	5*

V0106 Fixed communication sys use/oper - Milstar

	AFRC TOTAL SAMPLE gp0016	5-LVL gp0017	7-LVL gp0018	9-LVL gp0019
Interval Percentages				
Yes	1 %	3 %	0 %	0 %
Other:	99 %	97 %	100 %	100 %
Total in group:	87*	35*	47*	5*

V0107 Fixed communication sys use/oper - SITFAA

	AFRC TOTAL SAMPLE gp0016	5-LVL gp0017	7-LVL gp0018	9-LVL gp0019
Interval Percentages				
Yes	0 %	0 %	0 %	0 %
Other:	100 %	100 %	100 %	100 %
Total in group:	87*	35*	47*	5*

varsum   Background info - 3C1X1 AFRC Equip DAFSC Groups   VS0017

V0108 Fixed communication sys use/oper - Other

Interval Percentages	AFRC TOTAL SAMPLE gp0016	5-LVL gp0017	7-LVL gp0018	9-LVL gp0019
Yes	7 %	11 %	4 %	0 %
Other:	93 %	89 %	96 %	100 %
Total in group:	87*	35*	47*	5*

V0109 Deployable communications systems use/operate - None

Interval Percentages	AFRC TOTAL SAMPLE gp0016	5-LVL gp0017	7-LVL gp0018	9-LVL gp0019
Yes	29 %	29 %	26 %	60 %
Other:	71 %	71 %	74 %	40 %
Total in group:	87*	35*	47*	5*

V0110 Deployable communications systems use/operate - AFSATCOM

Interval Percentages	AFRC TOTAL SAMPLE gp0016	5-LVL gp0017	7-LVL gp0018	9-LVL gp0019
Yes	36 %	34 %	38 %	20 %
Other:	64 %	66 %	62 %	80 %
Total in group:	87*	35*	47*	5*

V0111 Deployable communications systems use/operate -- HF Mobile Systems

Interval Percentages	AFRC TOTAL SAMPLE gp0016	5-LVL gp0017	7-LVL gp0018	9-LVL gp0019
Yes	59 %	54 %	66 %	20 %
Other:	41 %	46 %	34 %	80 %
Total in group:	87*	35*	47*	5*

varsum   Background info - 3C1X1 AFRC Equip DAFSC Groups   VS0017

V0112 Deployable communications systems use/operate - Milstar

Interval Percentages	AFRC TOTAL SAMPLE gp0016	5-LVL gp0017	7-LVL gp0018	9-LVL gp0019
Yes	1 %	3 %	0 %	0 %
Other:	99 %	97 %	100 %	100 %
Total in group:	87*	35*	47*	5*

V0113 Deployable communications systems use/operate - MICK/WICP

Interval Percentages	AFRC TOTAL SAMPLE gp0016	5-LVL gp0017	7-LVL gp0018	9-LVL gp0019
Yes	5 %	3 %	6 %	0 %
Other:	95 %	97 %	94 %	100 %
Total in group:	87*	35*	47*	5*

V0114 Deployable communications systems use/operate - Mystic Star

Interval Percentages	AFRC TOTAL SAMPLE gp0016	5-LVL gp0017	7-LVL gp0018	9-LVL gp0019
Yes	0 %	0 %	0 %	0 %
Other:	100 %	100 %	100 %	100 %
Total in group:	87*	35*	47*	5*

V0115 Deployable communications systems use/operate - Special Operations

Interval Percentages	AFRC TOTAL SAMPLE gp0016	5-LVL gp0017	7-LVL gp0018	9-LVL gp0019
Yes	7 %	9 %	6 %	0 %
Other:	93 %	91 %	94 %	100 %
Total in group:	87*	35*	47*	5*

varsum   Background info - 3C1X1 AFRC Equip DAFSC Groups   VS0017

V0116 Deployable communications systems use/operate - Other

	AFRC TOTAL SAMPLE gp0016	5-LVL gp0017	7-LVL gp0018	9-LVL gp0019
Interval Percentages				
Yes	16 %	17 %	15 %	20 %
Other:	84 %	83 %	85 %	80 %
Total in group:	87*	35*	47*	5*

V0117 Frequency bands use - None

	AFRC TOTAL SAMPLE gp0016	5-LVL gp0017	7-LVL gp0018	9-LVL gp0019
Interval Percentages				
Yes	24 %	23 %	26 %	20 %
Other:	76 %	77 %	74 %	80 %
Total in group:	87*	35*	47*	5*

V0118 Frequency bands use - HF

	AFRC TOTAL SAMPLE gp0016	5-LVL gp0017	7-LVL gp0018	9-LVL gp0019
Interval Percentages				
Yes	71 %	77 %	66 %	80 %
Other:	29 %	23 %	34 %	20 %
Total in group:	87*	35*	47*	5*

V0119 Frequency bands use - Very High Frequency (VHF)

	AFRC TOTAL SAMPLE gp0016	5-LVL gp0017	7-LVL gp0018	9-LVL gp0019
Interval Percentages				
Yes	38 %	40 %	38 %	20 %
Other:	62 %	60 %	62 %	80 %
Total in group:	87*	35*	47*	5*

varsum   Background info - 3C1X1 AFRC Equip DAFSC Groups   VS0017

V0120 Frequency bands use - Ultrahigh Frequency (UHF)

	AFRC TOTAL SAMPLE gp0016	5-LVL gp0017	7-LVL gp0018	9-LVL gp0019
Interval Percentages				
Yes	36 %	46 %	30 %	20 %
Other:	64 %	54 %	70 %	80 %
Total in group:	87*	35*	47*	5*

V0121 Frequency bands use - Super High Frequency (SHF)

	AFRC TOTAL SAMPLE gp0016	5-LVL gp0017	7-LVL gp0018	9-LVL gp0019
Interval Percentages				
Yes	9 %	11 %	9 %	0 %
Other:	91 %	89 %	91 %	100 %
Total in group:	87*	35*	47*	5*

V0122 Frequency bands use - Extremely High Frequency (EHF)

	AFRC TOTAL SAMPLE gp0016	5-LVL gp0017	7-LVL gp0018	9-LVL gp0019
Interval Percentages				
Yes	5 %	9 %	2 %	0 %
Other:	95 %	91 %	98 %	100 %
Total in group:	87*	35*	47*	5*

V0123 Frequency bands use - Other

	AFRC TOTAL SAMPLE gp0016	5-LVL gp0017	7-LVL gp0018	9-LVL gp0019
Interval Percentages				
Yes	3 %	0 %	6 %	0 %
Other:	97 %	100 %	94 %	100 %
Total in group:	87*	35*	47*	5*

varsum   Background info - 3C1X1 AFRC Equip DAFSC Groups   VS0017

V0124 Communications modes use - None

Interval Percentages	AFRC TOTAL SAMPLE gp0016	5-LVL gp0017	7-LVL gp0018	9-LVL gp0019
Yes	16 %	14 %	17 %	20 %
Other:	84 %	86 %	83 %	80 %
Total in group:	87*	35*	47*	5*

V0125 Communications modes use - Amplitude Modulation (AM)

Interval Percentages	AFRC TOTAL SAMPLE gp0016	5-LVL gp0017	7-LVL gp0018	9-LVL gp0019
Yes	32 %	34 %	34 %	0 %
Other:	68 %	66 %	66 %	100 %
Total in group:	87*	35*	47*	5*

V0126 Communications modes use - Data Transmission

Interval Percentages	AFRC TOTAL SAMPLE gp0016	5-LVL gp0017	7-LVL gp0018	9-LVL gp0019
Yes	48 %	60 %	40 %	40 %
Other:	52 %	40 %	60 %	60 %
Total in group:	87*	35*	47*	5*

V0127 Communications modes use - Demand Assigned Multiple Access (DAMA)

Interval Percentages	AFRC TOTAL SAMPLE gp0016	5-LVL gp0017	7-LVL gp0018	9-LVL gp0019
Yes	44 %	46 %	45 %	20 %
Other:	56 %	54 %	55 %	80 %
Total in group:	87*	35*	47*	5*

varsum   Background info - 3C1X1 AFRC Equip DAFSC Groups   VS0017

V0128 Communications modes use - Frequency Modulation (FM)

Interval Percentages	AFRC TOTAL SAMPLE gp0016	5-LVL gp0017	7-LVL gp0018	9-LVL gp0019
Yes	41 %	46 %	43 %	0 %
Other:	59 %	54 %	57 %	100 %
Total in group:	87*	35*	47*	5*

V0129 Communications modes use - Have Quick

Interval Percentages	AFRC TOTAL SAMPLE gp0016	5-LVL gp0017	7-LVL gp0018	9-LVL gp0019
Yes	20 %	20 %	19 %	20 %
Other:	80 %	80 %	81 %	80 %
Total in group:	87*	35*	47*	5*

V0130 Communications modes use - Independent sideband (ISB)

Interval Percentages	AFRC TOTAL SAMPLE gp0016	5-LVL gp0017	7-LVL gp0018	9-LVL gp0019
Yes	7 %	11 %	4 %	0 %
Other:	93 %	89 %	96 %	100 %
Total in group:	87*	35*	47*	5*

V0131 Communications modes use - Lower Sideband (LSB)

Interval Percentages	AFRC TOTAL SAMPLE gp0016	5-LVL gp0017	7-LVL gp0018	9-LVL gp0019
Yes	26 %	26 %	30 %	0 %
Other:	74 %	74 %	70 %	100 %
Total in group:	87*	35*	47*	5*

varsum   Background info - 3C1X1 AFRC Equip DAFSC Groups   VS0017

V0132 Communications modes use - Milstar Waveform

	AFRC TOTAL SAMPLE gp0016	5-LVL gp0017	7-LVL gp0018	9-LVL gp0019
Interval Percentages				
Yes	1 %	3 %	0 %	0 %
Other:	99 %	97 %	100 %	100 %
Total in group:	87*	35*	47*	5*

V0133 Communications modes use - Single Sideband (SSB)

	AFRC TOTAL SAMPLE gp0016	5-LVL gp0017	7-LVL gp0018	9-LVL gp0019
Interval Percentages				
Yes	40 %	46 %	40 %	0 %
Other:	60 %	54 %	60 %	100 %
Total in group:	87*	35*	47*	5*

V0134 Communications modes use - Upper Sideband (USB)

	AFRC TOTAL SAMPLE gp0016	5-LVL gp0017	7-LVL gp0018	9-LVL gp0019
Interval Percentages				
Yes	47 %	43 %	49 %	60 %
Other:	53 %	57 %	51 %	40 %
Total in group:	87*	35*	47*	5*

V0135 Communications modes use - Other

	AFRC TOTAL SAMPLE gp0016	5-LVL gp0017	7-LVL gp0018	9-LVL gp0019
Interval Percentages				
Yes	5 %	3 %	6 %	0 %
Other:	95 %	97 %	94 %	100 %
Total in group:	87*	35*	47*	5*

varsum   Background info - 3C1X1 AFRC Equip DAFSC Groups   VS0017

V0136 Mobile comm systems use/opr - None

Interval Percentages	AFRC TOTAL SAMPLE gp0016	5-LVL gp0017	7-LVL gp0018	9-LVL gp0019
Yes	25 %	23 %	23 %	60 %
Other:	75 %	77 %	77 %	40 %
Total in group:	87*	35*	47*	5*

V0137 Mobile comm systems use/opr - International Maritime Satellites (INMARSAT)

Interval Percentages	AFRC TOTAL SAMPLE gp0016	5-LVL gp0017	7-LVL gp0018	9-LVL gp0019
Yes	29 %	31 %	30 %	0 %
Other:	71 %	69 %	70 %	100 %
Total in group:	87*	35*	47*	5*

V0138 Mobile comm systems use/opr - Milstar

Interval Percentages	AFRC TOTAL SAMPLE gp0016	5-LVL gp0017	7-LVL gp0018	9-LVL gp0019
Yes	0 %	0 %	0 %	0 %
Other:	100 %	100 %	100 %	100 %
Total in group:	87*	35*	47*	5*

V0139 Mobile comm systems use/opr - Radios, Backpack

Interval Percentages	AFRC TOTAL SAMPLE gp0016	5-LVL gp0017	7-LVL gp0018	9-LVL gp0019
Yes	47 %	54 %	45 %	20 %
Other:	53 %	46 %	55 %	80 %
Total in group:	87*	35*	47*	5*

varsum   Background info - 3C1X1 AFRC Equip DAFSC Groups   VS0017

V0140 Mobile comm systems use/opr - Radios, Handheld

	AFRC TOTAL SAMPLE gp0016	5-LVL gp0017	7-LVL gp0018	9-LVL gp0019
Interval Percentages				
Yes	60 %	63 %	62 %	20 %
Other:	40 %	37 %	38 %	80 %
Total in group:	87*	35*	47*	5*

V0141 Mobile comm systems use/opr - Satellite Communications (SATCOM)

	AFRC TOTAL SAMPLE gp0016	5-LVL gp0017	7-LVL gp0018	9-LVL gp0019
Interval Percentages				
Yes	47 %	51 %	47 %	20 %
Other:	53 %	49 %	53 %	80 %
Total in group:	87*	35*	47*	5*

V0142 Mobile comm systems use/opr - Transceivers, Portable

	AFRC TOTAL SAMPLE gp0016	5-LVL gp0017	7-LVL gp0018	9-LVL gp0019
Interval Percentages				
Yes	53 %	54 %	57 %	0 %
Other:	47 %	46 %	43 %	100 %
Total in group:	87*	35*	47*	5*

V0143 Mobile comm systems use/opr - Transceivers, Vehicular

	AFRC TOTAL SAMPLE gp0016	5-LVL gp0017	7-LVL gp0018	9-LVL gp0019
Interval Percentages				
Yes	25 %	26 %	28 %	0 %
Other:	75 %	74 %	72 %	100 %
Total in group:	87*	35*	47*	5*

V0144 Mobile comm systems use/opr - Other

	AFRC TOTAL SAMPLE gp0016	5-LVL gp0017	7-LVL gp0018	9-LVL gp0019
Interval Percentages				
Yes	5 %	6 %	4 %	0 %
Other:	95 %	94 %	96 %	100 %
Total in group:	87*	35*	47*	5*

V0145 Comm equip use/opr - None

	AFRC TOTAL SAMPLE gp0016	5-LVL gp0017	7-LVL gp0018	9-LVL gp0019
Interval Percentages				
Yes	5 %	9 %	2 %	0 %
Other:	95 %	91 %	98 %	100 %
Total in group:	87*	35*	47*	5*

V0146 Comm equip use/opr - Advanced Data Controllers (ADCs)

	AFRC TOTAL SAMPLE gp0016	5-LVL gp0017	7-LVL gp0018	9-LVL gp0019
Interval Percentages				
Yes	5 %	3 %	6 %	0 %
Other:	95 %	97 %	94 %	100 %
Total in group:	87*	35*	47*	5*

V0147 Comm equip use/opr - Automated Communications Management Systems (ACMSs)

	AFRC TOTAL SAMPLE gp0016	5-LVL gp0017	7-LVL gp0018	9-LVL gp0019
Interval Percentages				
Yes	3 %	0 %	6 %	0 %
Other:	97 %	100 %	94 %	100 %
Total in group:	87*	35*	47*	5*

varsum   Background info - 3C1X1 AFRC Equip DAFSC Groups   VS0017

	AFRC TOTAL SAMPLE gp0016	5-LVL gp0017	7-LVL gp0018	9-LVL gp0019

V0148 Comm equip use/opr - Cellular Phones

Interval Percentages

	AFRC TOTAL SAMPLE gp0016	5-LVL gp0017	7-LVL gp0018	9-LVL gp0019
Yes	33 %	23 %	43 %	20 %
Other:	67 %	77 %	57 %	80 %
Total in group:	87*	35*	47*	5*

V0149 Comm equip use/opr - Communication Planning Tools

Interval Percentages

	AFRC TOTAL SAMPLE gp0016	5-LVL gp0017	7-LVL gp0018	9-LVL gp0019
Yes	22 %	20 %	26 %	0 %
Other:	78 %	80 %	74 %	100 %
Total in group:	87*	35*	47*	5*

V0150 Comm equip use/opr - Computer Equipment

Interval Percentages

	AFRC TOTAL SAMPLE gp0016	5-LVL gp0017	7-LVL gp0018	9-LVL gp0019
Yes	69 %	66 %	74 %	40 %
Other:	31 %	34 %	26 %	60 %
Total in group:	87*	35*	47*	5*

V0151 Comm equip use/opr - Cryptographic Equipment

Interval Percentages

	AFRC TOTAL SAMPLE gp0016	5-LVL gp0017	7-LVL gp0018	9-LVL gp0019
Yes	64 %	63 %	68 %	40 %
Other:	36 %	37 %	32 %	60 %
Total in group:	87*	35*	47*	5*

varsum   Background info - 3C1X1 AFRC Equip DAFSC Groups   VS0017

V0152 Comm equip use/opr - Defense Message Systems (DMSs)

Interval Percentages	AFRC TOTAL SAMPLE gp0016	5-LVL gp0017	7-LVL gp0018	9-LVL gp0019
Yes	11 %	9 %	15 %	0 %
Other:	89 %	91 %	85 %	100 %
Total in group:	87*	35*	47*	5*

V0153 Comm equip use/opr - Facsimile Equipment

Interval Percentages	AFRC TOTAL SAMPLE gp0016	5-LVL gp0017	7-LVL gp0018	9-LVL gp0019
Yes	43 %	43 %	45 %	20 %
Other:	57 %	57 %	55 %	80 %
Total in group:	87*	35*	47*	5*

V0154 Comm equip use/opr - Global Positioning Satellites (GPSs)

Interval Percentages	AFRC TOTAL SAMPLE gp0016	5-LVL gp0017	7-LVL gp0018	9-LVL gp0019
Yes	17 %	11 %	21 %	20 %
Other:	83 %	89 %	79 %	80 %
Total in group:	87*	35*	47*	5*

V0155 Comm equip use/opr - Land Mobile Radios (LMRs)

Interval Percentages	AFRC TOTAL SAMPLE gp0016	5-LVL gp0017	7-LVL gp0018	9-LVL gp0019
Yes	69 %	71 %	70 %	40 %
Other:	31 %	29 %	30 %	60 %
Total in group:	87*	35*	47*	5*

varsum   Background info - 3C1X1 AFRC Equip DAFSC Groups   VS0017

V0156 Comm equip use/opr - LMR Repeaters

	AFRC TOTAL SAMPLE gp0016	5-LVL gp0017	7-LVL gp0018	9-LVL gp0019
Interval Percentages				
Yes	39 %	34 %	45 %	20 %
Other:	61 %	66 %	55 %	80 %
Total in group:	87*	35*	47*	5*

V0157 Comm equip use/opr - Mobile Antenna Systems

	AFRC TOTAL SAMPLE gp0016	5-LVL gp0017	7-LVL gp0018	9-LVL gp0019
Interval Percentages				
Yes	60 %	57 %	64 %	40 %
Other:	40 %	43 %	36 %	60 %
Total in group:	87*	35*	47*	5*

V0158 Comm equip use/opr - Printers

	AFRC TOTAL SAMPLE gp0016	5-LVL gp0017	7-LVL gp0018	9-LVL gp0019
Interval Percentages				
Yes	80 %	80 %	81 %	80 %
Other:	20 %	20 %	19 %	20 %
Total in group:	87*	35*	47*	5*

V0159 Comm equip use/opr - Radio Equipment

	AFRC TOTAL SAMPLE gp0016	5-LVL gp0017	7-LVL gp0018	9-LVL gp0019
Interval Percentages				
Yes	70 %	74 %	68 %	60 %
Other:	30 %	26 %	32 %	40 %
Total in group:	87*	35*	47*	5*

varsum   Background info - 3C1X1 AFRC Equip DAFSC Groups   VS0017

V0160 Comm equip use/opr - Radio Teletype Equipment

	AFRC TOTAL SAMPLE gp0016	5-LVL gp0017	7-LVL gp0018	9-LVL gp0019
Interval Percentages				
Yes	13 %	11 %	15 %	0 %
Other:	87 %	89 %	85 %	100 %
Total in group:	87*	35*	47*	5*

V0161 Comm equip use/opr - Remote Monitoring Systems

	AFRC TOTAL SAMPLE gp0016	5-LVL gp0017	7-LVL gp0018	9-LVL gp0019
Interval Percentages				
Yes	17 %	26 %	13 %	0 %
Other:	83 %	74 %	87 %	100 %
Total in group:	87*	35*	47*	5*

V0162 Comm equip use/opr - Satellite Communications Equipment

	AFRC TOTAL SAMPLE gp0016	5-LVL gp0017	7-LVL gp0018	9-LVL gp0019
Interval Percentages				
Yes	49 %	46 %	55 %	20 %
Other:	51 %	54 %	45 %	80 %
Total in group:	87*	35*	47*	5*

V0163 Comm equip use/opr - Scanners

	AFRC TOTAL SAMPLE gp0016	5-LVL gp0017	7-LVL gp0018	9-LVL gp0019
Interval Percentages				
Yes	21 %	17 %	26 %	0 %
Other:	79 %	83 %	74 %	100 %
Total in group:	87*	35*	47*	5*

V0164 Comm equip use/opr - Secured Telephones

	AFRC TOTAL SAMPLE gp0016	5-LVL gp0017	7-LVL gp0018	9-LVL gp0019
Interval Percentages				
Yes	75 %	63 %	85 %	60 %
Other:	25 %	37 %	15 %	40 %
Total in group:	87*	35*	47*	5*

V0165 Comm equip use/opr - Switchboard Equipment

	AFRC TOTAL SAMPLE gp0016	5-LVL gp0017	7-LVL gp0018	9-LVL gp0019
Interval Percentages				
Yes	5 %	6 %	4 %	0 %
Other:	95 %	94 %	96 %	100 %
Total in group:	87*	35*	47*	5*

V0166 Comm equip use/opr - Tape Recorders

	AFRC TOTAL SAMPLE gp0016	5-LVL gp0017	7-LVL gp0018	9-LVL gp0019
Interval Percentages				
Yes	7 %	3 %	11 %	0 %
Other:	93 %	97 %	89 %	100 %
Total in group:	87*	35*	47*	5*

V0167 Comm equip use/opr - Telephones

	AFRC TOTAL SAMPLE gp0016	5-LVL gp0017	7-LVL gp0018	9-LVL gp0019
Interval Percentages				
Yes	75 %	63 %	83 %	80 %
Other:	25 %	37 %	17 %	20 %
Total in group:	87*	35*	47*	5*

varsum   Background info - 3C1X1 AFRC Equip DAFSC Groups   VS0017

V0168 Comm equip use/opr - Time Distribution Subsystem Preprocessors (TDSPPs)

	AFRC TOTAL SAMPLE gp0016	5-LVL gp0017	7-LVL gp0018	9-LVL gp0019
Interval Percentages				
Yes	0 %	0 %	0 %	0 %
Other:	100 %	100 %	100 %	100 %
Total in group:	87*	35*	47*	5*

V0169 Comm equip use/opr - Transmission Security (TRANSEC) Equipment

	AFRC TOTAL SAMPLE gp0016	5-LVL gp0017	7-LVL gp0018	9-LVL gp0019
Interval Percentages				
Yes	20 %	20 %	21 %	0 %
Other:	80 %	80 %	79 %	100 %
Total in group:	87*	35*	47*	5*

V0170 Comm equip use/opr - Other

	AFRC TOTAL SAMPLE gp0016	5-LVL gp0017	7-LVL gp0018	9-LVL gp0019
Interval Percentages				
Yes	6 %	6 %	4 %	20 %
Other:	94 %	94 %	96 %	80 %
Total in group:	87*	35*	47*	5*